

List of presentations at Dyes in History and Archaeology meetings

A Zotero database listing all publications from past meetings can be accessed [here](#).

DHA 44 Ottawa, Canada, 2025

Held at the National Gallery of Canada, 7 - 9 October 2025.

* Published in proceedings (highlighted are in preparation)

‡ Published elsewhere

****The Colors of Tutankhamun: An archaeological study and documentation of the natural dyes found in the Tutankhamun textile collection***

Islam Shaheen*, Paola Buzi, Margarita Gleba, Paula Nabais, Maria João Melo, Nagmeldeen Hamza

****Comparing related Paracas mantles and clothing objects: dyes, dates, and more data***

Ruth Ann Armitage*, Ann H. Peters, Avi Dragun, Malak Shehab, Jaime Williams, Imani Peterkin, Kathryn Jakes, John Southon, Collin Sauter and James Moran

****Non-Invasive Characterization of Meso-American Organic Yellow Dyes***

Cynthia Connelly Ryan, David Kim

****Dyed not Dead: An Exploration of Medieval Icelandic Dyeing Tradition Using Reflectance Spectrometry (FORS and Spectragryph)***

Noemí Cubas Martín, Ian King

‡***The Use of Natural Dyes in the 15th-19th Century Textiles in East and West***

Jian Liu*, Ruqian Wang, Anikó Moór

Dyes analysis of an Iranian Lampas textile panel from the LACMA's collection

Laura Maccarelli, Ashley A. Freeman

Cross craft colours: the unusual mauve washes observed in Hans Bol's drawings

Joanne Dyer*, Samantha Taylor, Rebecca Snow, Emma Turner, Andrew Meek, Olenka Horbatsch and Charlotte Wytema

****International Trade with Red Lake Pigments in the Late Renaissance Mediterranean: Understanding Composition of the Pellet from the Cargo of the Merchant Ship Gagliana grossa (Gnalić Shipwreck)***

Katarina Batur, Adelphine Bonneau*, Maarten van Bommel, Irena Radić Rossi, “

Chevreul, Color Juxtaposition, & the ‘Flat Tints’ of Chinese Painting

Delanie Linden

****[Dyeing with a coffee cup? Challenging recipes from a 19th century dyer's handbook](#)***

Eva Eis

An optimized mild extraction method for the analysis of historical dyes by HPLC-DAD-Orbitrap-MS with application to Finnish historical dyes

Peppi Toukola*, Juuso Laitila, Susanne K. Wiedmer, Petri Heinonen, Riikka Räisänen. “

The Endangered Material Knowledge Programme: Dyes and Pigments as key elements of traditional material knowledge systems

Paula Granados-Garcia

****[Research on the red color of the Lielvarde woven belt in Latvia](#)***

Anete Karlson

A Simple Black: Traditions of Using Iron-Rich Mud for Dyeing in Eastern Baltic Region

Liis Luhamaa, Riina Rammo*, Krista Wright, Riikka Räisänen

****[Red dyes in transition: investigating natural and synthetic colorants in Javanese batik textiles via HPLC-DAD-MS/MS and SERS](#)***

Lynn Chua*, Diego Tamburini, Miki Komatsu, Peter Lee, Naomi Wang, Darryl Lim, Alexandra Green

***Dye Analysis of 20th century textiles from the Toropalca Region of Bolivia**

Burkhard von Rabenau, Victor J. Chen*, Gregory D. Smith

***Threads of war: scientific analysis of the dyes, fibres and mordants used in the production of Afghan war rugs**

Diego Tamburini, Zeina Klink-Hoppe, “

title?

Jocelyn Piirainen

Colours of FANS: Multiple uses, facets and materials under examination of non-invasive and contactless spectroscopic techniques (18th-19th C., Musée d'Aquitaine, Bordeaux, France)

Aurélie Mounier, Julie Guiraud, Sarah Petitcolas, Sophie Fontan

†Reproducing Orchil: A Technical and Analytical Challenge

Pauline Claisse, Charlotte Marembert, Faustine Massera, Sarah Petitcolas, Rémy Chapoulie, Mohamed Dallel, Aurélie Mounier

***LC-MS characterization of dyes in a Robe à la Circassienne. First evidence of Parelle D'Auvergne**

Maria Goretti Mieites Alonso, Elena Basso

Beyond the Green: Arsenic-Containing Synthetic Blues and Toxicological Risks in Early 20th-Century Commemorative Textiles

Marc Vermeulen, Sanne Berbers

Posters/Short Presentations

Identification of Dyes in the Amo-Oghle Carpet for the Regeneration of Color and Introduction of Dyeing Methods

Zahra Ahmadi, Mahdi Safi, Neda Dahesh

Synthetic organic pigments in modern Czech paintings

Václava Antušková, Radka Šefců

Purple from Madder: A Lost Recipe?

Hortense de La Codre, Giovanni Verri, Madeline C. Meier, Maria Kokkori

Investigation into an Orchil Lichen Dye

Caitlin Gallupe

The proof of the poison is in the purple pesticide? Synthesizing magenta dye in the 19th Century

Timothy Greening

A Foray into Fungal Dyes

Stephanie Guidera, Heather Hodge, Kathleen Martin

Dyes for life and death: Characterization and insights into the dyeing techniques of Alero Mazquiarán textiles, SW Chubut, Argentine Patagonia

Lucía Gutiérrez, Adelphine Bonneau, María Ana Castro, Analía Castro Esnal

Natural red dyes from bark and wood of the Wichís of central-western Formosa (Argentina): ethnobiological and chemical aspects

Anahí N. Herrera Cano*, Marta Maier, Eugenia Tomasini, María Eugenia Suárez

Color, Technique, and Colonial Entanglements: Exploring Surinamese Textile Histories from the Prize Papers Archive

Viveca Mellegård, Oliver Finnegan, Marc Vermeulen

Dyes on cotton. Woven motifs in late 19th to early 20th century interior towels from Transylvania, Romania

Irina Petroviciu, Florica Zaharia, Silvana Vasilca, Florin Albu

Red dyes in the 18th-19th-century Estonian and Latvian textiles

Riina Rammo, Liis Luhamaa, Ina Vanden Berghe, Jonas Veenhoven, Anete Karlsone, Leva Pigozne, Riikka Räisänen

Exploring beauty standards in early 20th century Quebec: A study of cosmetics from a hotel and a private residence in Laval

Marine Tipa, Adelphine Bonneau, Agnès Gelé

Blue moments with berries and flowers – examining blue based on the ethnographic sources from Finland and Estonia

Krista Wright, Liis Luhamaa, Debbie Bamford, Saara Tahvanainen, Riikka Räisänen

DHA 43 Leeds, United Kingdom, 2024

Held at the Cloth Hall Court, Leeds (Society of Dyers and Colourists) , 23 - 25 October 2024.

*** Published in proceedings (highlighted are in preparation)**

‡ Published elsewhere

***[Let the lead tags talk](#)**

Regina Hofmann-de Keijzer, B. Petznek, I. Radman-Livaja, I. Bogensperger, A. Heiss

***[The Identification of Tekhelet on an Ancient Egyptian \(Dynasty XVIII\) painted votive textile](#)**

Jennifer Poulin, M. Veall, C. Paulocik, K. Bladek

A mysterious purple: a multi-analytical study of two Chavin textiles with fanged heads

Rachel Lackner, E. Phipps, M. Leona, N. Shibayama, M. Fusco, R. Hanson

***[A comparison of the fading of dyestuffs as textile colorants and lake pigments](#)**

Jo Kirby and David Saunders

TooCOLD: Toolbox for studying the Chemistry of Light-induced Degradation, a review

Maarten van Bommel, I. Groeneveld, M. den Uijl, B. Pirok, F. Ariese, G. Somsen, P. Schoenmakers

***[Deciphering ageing effects in green-dyed English woollen carpet yarns from the 1840's](#)**

Terry Schaeffer, J. Mobberley, L. Maccarelli

***[Dye identification in Palestinian garments from the late 19th/early 20th century](#)**

Diego Tamburini, L. Durand, Z. Klink-Hoppe

Behind the curtain: unveiling the chemistry of Gino Carlo Sensani's stage costumes

Adele Ferretti, T. Nacci, D. Petrocchi, S. Porcinai, L. Triolo, I. Degano

Anthraquinoid vat dyes: fastness, fabrics and fashion

Katie McClure, D. J. France, A. Quye

****Francis H. Jennison's "The manufacture of lake pigments from artificial colours" – a critical review of the first book on the production of lakes from synthetic dyes***

Francesca Sabatini, E. Eis, A. Ferretti, R. Laursen, I. Degano

****Sequencing analysis and dating of yarn fragments from six Paracas mantles from bundle WK12-382***

Ruth Ann Armitage, A. Peters, J. Williams, A. Dragun, K. Jakes, J. Southon, J. Moran

Dating textile heritage: new insights with ^{14}C analysis of anthraquinone-based red dyes

Ana Serrano, L. Hendriks, C. Spack, C. Portmann, N. Haghipour, M. R. van Bommel

****The codification of error, insights in the evolution of knowledge through an 18th-century dyer's manual***

Emelie Lupatini, N. Ortega Saez, G. Van der Snickt, B. De Munck

****Rediscovering Forgotten Colors: The Legacy of Historical Color Terminology***

Natalia Ortega Saez

****Let it Boyll: Dyes Recorded by Scottish Women after 1690***

Sarah Rich

****Cudbear and the colours of the Atlantic Rainforest***

Vanessa Habib

Insect Dyes Identified in Archaeological Textiles Discovered In Northwest China

Jian Liu, X. Kang, F. Zhao, W. Li

Combining HPLC-DAD-HRMS Analysis with Taxonomy for the Characterisation of Lac Dye from Kerria Species

Mila Crippa, D. Tamburini, F. Palmas, D. Cardon, P. Nabais, T. Kondo

‡ Tikuna/Magüta blue: chemical composition and considerations for community-based participatory research (CBPR) in technical art history

Thiago Sevilhano Puglieri and Laura Maccarelli

**** Dye Plants used in Fish Skin Artefacts by the Indigenous Peoples of the Amur River: Nivkh, Nanai and Ulchi***

Elisa Palomino

**** Use of alkalis in traditional dyeing technologies with plants***

Anete Karlstone

**** Rotting for Red: Archival and Experimental Research on Estonian Traditions of Decomposing Alder Buckthorn Bark Before Dyeing***

Liis Luhamaa, R. Rammo, D. Bamford, I. Vanden Berghe, J. Veenhoven, K. Wright, R. Räisänen

The 15th-Century Visconti-Sforza Tarocchi Cards: Insights into a Mysterious Yellow Dye Using LC-QTOF-MS on Minimized Samples

Hitomi Fujii, M. Goretti Mieites Alonso, F. Pozzi, E. Basso

**** Hidden Treasures: Precious Textiles from the St Eustace Head Reliquary***

Joanne Dyer, D. Tamburini, C. Cartwright, A. Harrison, E. O'Connell, N. Speakman

Posters/Short Presentations

‡ Non-destructive spectroscopic analysis and multivariate cluster analysis to potentially elucidate red dye mixtures on woollen historical textiles

Jocelyn Alcantara Garcia, I Degano, C Celani, K Booksh, A Speed, C Chen, O Jaeger, M F Delgado-Cornelio

Unlocking black secrets in 18th century Netherlands: the Leiden textile sample books (1690-1791) in Museum De Lakenhal

Jenny Boulboulle, Ana Serrano, Jori Zijlmans, Birgit Reissland, Inez van der Werf, Ineke Joosten, Art Proano Gaibor, Roos Kliphuis, Edith Greuter, Maarten Van Bommel

****[Milking the orchil](#)***

Isabella Whitworth, Victor J. Chen, Gregory D. Smith

****[Unveiling the mysteries of logwood ink recipes: a spectroscopic and mass spectrometric investigation](#)***

Adele Ferretti, Eva Vermeersch, Francesca Sabatini, Peter Vandenabeele, Ilaria Degano

****[Cochineal Reds in Iberia and France: A comparative study of wool dyeing recipes from 18th-Century sources](#)***

Mara Espírito Santo, Rafael Díaz Hidalgo, Luis Ferreira, Dominique Cardon, Paula Nabais

Identification of modern synthetic colorants by high performance liquid chromatography

Markéta Havlová, Václava Antušková, Radka Šefců

Honouring ancestral Afro-spiritual Winti textiles of Suriname pre-1850: sources and colours of natural red dyes

Charlene Jordan, Anita Quye, Sally Tuckett, Jelmer Vos

Approach to the Color Study in A Valencian Silks Collection from the 16th-19th Centuries: Non-Invasive Methodology.

M. Julia Martinez Garcia, M. Betlem Gámez Serrano, M. Luisa Vázquez de Agredos-Pascual, Álvaro Solbes García, Giani Gallelo, Lucia Rojo Iranzo

How does Kew's 19th century archival collection contribute to the revival of indigo dyeing in West Bengal?

Viveca Mellegard

****[Dyeing and the weight of sorrow: Endurance of natural dyes on Victorian mourning dress](#)***

Maria Goretti Mieites Alonso, Sarah Scaturro, Federico Carò, Marco Leona

Dyes in suzani Central Asian embroideries from the collection of The National Museum of Art of Romania

Irina Petroviciu, Iolanda Turcu, Silvana Vasilca, Florin Albu

****[The Blue that Once Was: Preparation of Aniline Blue Model Fabrics for Investigating the Light fading Characteristics of the Historic Textile Dye](#)***

Gracile Roxas, Anita Quye

Effects of visible light and heat as an index of deterioration of cultural textiles and cultural paper products dyed with Amur cork tree.

Yoshiko Sasaki, Ken Sasaki

Enlightening Dragon's Blood compound identification through HPLC-MS analysis

Natércia Teixeira, Tiago Filipe P. Alves, Nuno Mateus, Victor de Freitas, Paula Nabais, Márcia Vieira, Maria João Melo

Assessing ionizing radiation-driven effects on early synthetic dyes via supramolecular solvents extraction

Silvana Vasilca, Irina Petroviciu, Daniel Negut, Marian Virgolici, Valentin Moise

****Metal salts weighting of silk: an exploration of historical practices and manufacturing processes***

Chiara Vettorazzo, Alina Krotova, Natalia Ortega Saez, Koen Janssens, Matija Strlič, Geert Van der Snickt

Historic tapestries dye analysis- A comparative study between hyperspectral imaging and high liquid performance chromatography

Constantina Vlachou-Mogire, Ina Vanden Berghe, Moira Bertasa, John Gilchrist, Jon Danskin, Kathryn Hallett

****"Like the Colour of the Fox" - Archival Records and New Experiments for Dyeing Red with Alder Bark***

Krista Wright, Liis Luhamaa, Riina Rammo, Saara Tahvanainen, Riikka Räisänen

DHA 42 Copenhagen, Denmark, 2023

Held at the Center for Textile Research, University of Copenhagen and the Royal Danish Academy, 31 October - 3 November 2023.

*** Published in proceedings**

‡ Published elsewhere

Travels and Mysteries of an 18th C. French Manuscript on Wool Dyeing with Sample Sheets

Dominique Cardon

[*An Unknown 18th-Century Flemish Dyers Manuscript from Antwerp](#)

Emile Lupatini, Bert De Munck, Geert van der Snickt, and Natalia Ortega Saez

‡Mémoires de Teinture: The Yellows From an 18th-Century Recipe Book by Paul Gout

Mara Santo, Mila Crippa, Dominique Cardon, and Paula Nabais

[*Practical Dyeing and Technical Imaging: The Identification of Cochineal Dye and Dyeing Methods Used to Produce a Mesoamerican Feather Insignia](#)

Renée Riedler, Julia Zeindl, María Olvido Moreno Guzmán, Nikoletta Sárfi, Martina Griesser, Annette T. Keller, and Leticia Arroyo Ortiz

Historic Uses of Natural Dyes on Eggshell in the Ukrainian Craft of Egg Batik and Present Day Adaptations

Mar'yana Svarnyk

[*Traditional Fish Leather Dyeing Methods with Indigenous Arctic Plants](#)

Elisa Palomino, Lotta Rahme, Katrín María Káradóttir, Mitsuhiro Kokita, and Sigmundur Freysteinnsson

[*In Search of the Orcein Used in the Hanging of the Lady and the Unicorn: Recipe, Experimentation and Identification](#)

Pauline Claisse, Charlotte Marembert, Rémy Chapoulie, Mohamed Dallel, and Aurélie Mounier

***Towards the Identification of an Unknown Lichen Dye Source in a Medieval Tapestry**

Rachel Lackner, Kisook Suh, Shirin Fozi, Maria Mieites Alonso, Solenn Ferron, Joel Boustie, H. Thorsten Lumbsch, and Nobuko Shibayama

Tapestry The Relief of Leiden: History, Materials and Restoration Insights

Art Proaño Gaibor and Jori Zijlmans

Tapestry Manufacture Reverse Engineering: Exploring the Use of Dyes with Hyperspectral Imaging

Constantina Vlachou-Mogire, Moira Bertasa, John R Gilchrist, Jon Danskin, and Kathryn Hallett

‡ The Long Industrial Road to Synthetic Indigo

Matthijs de Keijzer and Maarten R. van Bommel

Natural Indigo Production in Southern India: Tracing History from Pre-colonial Times to Present Day

Smitha Shankar and Indira Holla

***Probing Indigo Dye in Japanese Textiles with External Reflection FTIR Spectroscopy**

Ludovico Geminiani, Francesco Paolo Campione, Cristina Corti, Moira Luraschi, and Laura Rampazzi

***Dyes From the Amazon Forest: Blue Colorants from Ticuna Masks**

Thiago Sevilhano Puglieri, Laura Maccarelli, and Ashley A. Freeman

Faking It: Colour and Imitation in Early Modern Italian Fashion

Paula Hohti

***Dyestuff Identification in 17th-century Waistcoats: A Multi-Analytical Approach**

Paula Nabais, Jane Malcolm-Davies, Beatrice Behlen, and Natércia Teixeira

***The Technology of Dyeing Outside the Text**

Anete Karlsone

Analyses of Methods and Materials Used for Manufacturing of a Silk Wall Hanging From 1714 at Rosenborg Castle, Copenhagen

Augusta Møllemann Jensen, Mikkel Scharff, Ina Vanden Berghe, Merethe Kjeldgaard, Anna Sparr, Julie Nogel Jæger, and Annemette Bruselius Scharff

***Natural Dyes in Embroideries of Byzantine Tradition: The Collection of Embroidered Aëres and Epitaphioi in the National Museum of Art of Romania**

Irina Petroviciu, Emanuela Cernea, Iolanda Turcu, Silvana Vasilca, and Florin Albu

‡ Mystery, Adventure of Historical Sof Fabric, and Their Chemical, Physical, and Trade Analyses

Recep Karadag and Muge Burcu Ozdemir

The History of Κοκκινιάδικη βαφή at Ampelakia, Thessaly

Sofia Tsourinaki

The Shades of Red-pink Historical Inks: Investigation of the Degradation Pathway of Dyes in a 19th-20th Century Collection

Adele Ferretti, Ellen Hunt, and Ilaria Degano

From Scarlet to Crimson: Analytical and Historical Insight into Recipes with Lac Dye

Mila Crippa, Paula Nabais, Dominique Cardon, and Anita Quye

Compound Specific Radiocarbon (¹⁴C) Dating of Anthraquinone based Colourants in Historical Textiles

Laura Hendriks, C. Portmann, N. Haghipour, A. Serrano, and Maarten van Bommel

Colours of Early Mycenaean Textiles: First Observations

Stella Spantidaki and Christina Margariti (Presented by Cecilie Brøns)

“A Charlatan’s Bogus Dye”? The 7th/8th Century Coptic Dyeing Recipe Papyrus Berlin P.8316 Revisited

Tonio Sebastian Richter

Analysis of the Materials in the Late 15th-Century Islamic Manuscript by Micro-Destructive Analysis Methods and the Contribution of the Results to Conservation Works

Emine Torgan Güzel and Recep Karadag

New Dye Analyses of Haithabu Textiles

Ulla Mannering, Charlotte Rimstad, and Ina Vanden Berghe

Textile Dyes of the Golden Horde Era on the Results of a Research of Archaeological Textile in Kazakhstan and Ukraine

Tatiana Krupa

Posters

‡ Identification of the Unknown Type B Brazilein Derivative Marker Found in Brazilwood Dyed Textiles

L. Hendriks, R. Martinent, and C. Portmann

The Colours of Textiles and Braids in an Early Medieval Hoard Buried in Galloway, Scotland in C. 900 CE

Alexandra Makin, Ina Vanden Berghe, and Susanna Harris

Effects of Base Material (Silk or Paper) on the Use of Amur Cork Tree as an Indicator of Deterioration

Yoshiko Sasaki and Ken Sasaki

Organic Pigments in the Excavation Findings and Monuments that are Under the Supervision of the Ephorate of Antiquities of the Thessaloniki Region

S. Vivdenko, M. Tsiapali, L. Achilara, M. Tsimpidou-Avlonitou, A. Vasileiadou, I. Karapanagiotis, and N. Zacharias

Proteomics Approach to the Biomolecule Degradation of Indigo Dyeing Vessel Deposits

Takumi Nishiuch, Hideki Saito, Natsuki Murakami, Seiji Nakayama and Shinya Shoda

‡ Dressed to Afterlife - Dyes in Late Iron Age Children’s Clothing in Finland

Krista Wright, Jenni Sahramaa, and Ina Vanden Berghe

Identifying Red Pigments Used in Paintings via High-Performance Liquid Chromatography

M. Havlová, V. Antušková, and R. Šefců

Which Pigments for Which Clothes? Reflections on the Colours and Materials Used to Depict Everyday Clothing in Gallo-Roman Wall Paintings

Nicolas Delferrière and Emeline Retournard

Colour4CRAFTS Research on the Cultural Tradition of Sustainable Bio-Based Colourants and Dyeing

Riikka Räisänen, Krista Wright, Riina Rammo, Liis Luhamaa, Debbie Bamford, and Ina Vanden Berghe

Multi-Analytical Methodology for the Identification of Organic Dyes and Materials in Finnish Karelian Traditional Costumes

Peppi Toukola, Arvind Negi, Mari Kosunen, and Riikka Räisänen

Textile Dyes as Samples for the Colouring of Ancient Sculptures

Heinrich Piening

Logwood from the bottom of the sea

Kari Helene Kullerud

“Blinded by the Light”: Impact of Daylight Fluorescent Pigment Composition on Product Color and Light Stability

Sarah J. Schmidtke Sobeck, Victor J. Chen, and Gregory Dale Smith

Traditional Iranian Dyeing Technique: Insights from a Hands-On Workshop Experience

Malihe Sotoudeh, Paula Nabais, and Vanessa Otero

Van Gogh’s Use of Logwood Ink in France

Han Neevel

DHA 41 Visby (Gotland), Sweden, 2022

Held at the Swedish National Heritage Board, 11 – 13 October, 2022.

*** Published in proceedings**

‡ Published elsewhere

***[Plantae tinctoriae: the 1759 dissertation on dye plants by Engelbert Jörlin](#)**

Regina Hofmann-De Keijzer

***[Increased Colorant Import during the 18th Century reflects the Start of the Consumer Society in Norway](#)**

Margaret Knudtzon

***[Mapping materials and dyes on historic tapestries using hyperspectral imaging](#)**

Constantina Vlachou-Mogire, Yingwang Gao, John R. Gilchrist Mika Takami, Kate Orfeur and Kathryn Hallett

***[Application of DESI-MS for dye analysis of historical textiles](#)**

Edith Sandström, Chiara Vettorazzo, C. Logan Mackay, Lore G. Troalen and Alison N. Hulme

The study of Chinese dyes recipes on silk from the Ming and Qing dynasties for conservation purposes

Thainá Vígio Ribeiro, Sofia Vicente Palomino, Dolores Julia Yusá Marco and Eva M^a Montesinos Ferrandis

‘Caillet de Recetes et Segrets’, ‘Livret contenant la manière de bien gouverner le guesde (...)’: two un-published French dyers’ books from the 17th century

Marie-Anne Sarda, Jérôme Delatour, Caroline Eude-Devaux and Clément Bottier

Eise Eisinga’s celestial blues: archival documentation and the revival of woad blues in the Netherlands

Jenny Boulboullé, Arjen Dijkstra, Art Ness Proaño Gaibor, Hester Hazenberg, Hans Jackmaert, Ids de Jong, Claudy Jongstra, Jan Metzlar, Natalia Ortega Saez, Birgit Reissland, Luc de Vries, Valérie Wartelle

****Determination of the Malacological Provenance of Archaeological Purple Pigments via the “Di-Mono” Index***

Zvi C. Koren

****Ancient Chromophores and Auxiliaries: Phrygian Colorants from Tumulus MM at Gordion, Turkey, c. 740 BCE***

Mary Ballard, G. Asher Newsome, Elizabeth Simpson and Brendan Burke

****Heritage science contribution to the understanding of meaningful khipu colours***

Lucrezia Milillo, Marei Hacke, Sara Norrehed Ilaria Degano, Francesca Gherardi and Sarah Paynter

Recreating Dye Results from Stockholm and Leyden Papyri Methods

Mel Sweetnam, Isabella Whitworth, Deb Bamford Jane Deane, Sally Pointer, Lorena Boquete6 Ella McCafferty Wright, Katarzyna Stasińska, Judit Pásztoakai-Szeőke, Sue Day, Jackie Bush, Heather Bogart, Donna Buitendyk Fillion, Vera Hoenen, Theresa Hornstein, Sally Koski, Jo Jenner, Tonya Pettit, Kerry Sowells, Jude Tupman and Sue Crook

† *Yellow Dyes of Historical Importance. V. A handful of weld yellows from the 18th-century recipe books of French master dyers Antoine Janot and Paul Gout*

Paula Nabais, Mara Santo, Adelaide Clemente and Dominique Cardon

****Dye identification in mounting textiles of late Joseon Korean paintings***

Diego Tamburini, Meejung Kim-Marandet & Sang-Ah Kim

18th-century glazed brocaded worsted satins Hemdroks from Zeeland

Karina Leijense, Art Proaño Gaibor, Ineke Joosten, Remi Veldhoven and Michael Nix

****Transition from natural to early synthetic dyes in the Romanian traditional shirts decoration***

Irina Petroviciu, Iulia Teodorescu, Silvana Vasilca and Florin Albu

‡ [Unveiling the composition of native Japanese dye plants by a combined analytical protocol](#)

Francesca Sabatini, Brenda Doherty, Marco Mattonai, Ilaria Degano and Bruno Brunetti

Using HPLC-HRMS for the analysis of organic colourants in Japanese woodblock prints

L.N. Melita, D. Tamburini & C. Korenberg

*[Organic Colourants in Margarito d'Arezzo's The Virgin and Child Enthroned, with Scenes of the Nativity and the Lives of the Saints \(probably 1263–4\): Some unexpected discoveries using a multi-analytical approach](#)

David Peggie, Helen Howard & Jo Kirby

*[Finding madder reds in 19th- to early 20th-century oil paintings](#)

T. Veiga, A. Moro, P. Nabais, V. Otero, M. Vilarigues and M.J. Melo

Posters/Short Presentations

Colours in the collection of medieval archaeological textiles at Lödöse Museum

Liselotte Öhrling, Ing-Marie Trägårdh, Marei Hacke, Magnus Mårtensson, Sara Norrehed, Ina Vanden Berghe and Alexia Coudray

*[Dyes of Lieto Ristinpelto textiles from 13th-century Finland](#)

Krista Wright, Ina Vanden Berge & Jenni Sahramaa

Non-invasive analysis of dyes used for the outer surface of the Honmaru Goten (Honmaru Palace, Nijo Castle, World Heritage Site) sliding door covers

Yoshiko Sasaki, Tomoaki Okamura & Ken Sasaki

Gamma radiation effect on early synthetic dyes

Silvana Vasilca, Irina Petroviciu, Mihalai Cutrubinis, Marian Virgolici, Valentin Moise and Andrei Medvedovici

James Morton and the anthraquinoid vat dyes: a revolution in synthetic dye fastness

Kathryn Raeburn McClure, Anita Quye & David J. France

*[Giving a new status to a dyes collection: a contribution to the Chromotope project](#)

Irene Bilbao Zubiri & Anne-Laure Carré

***Investigation of dyeing materials used in Greece from the 18th century onwards**

Athanasia Tsatsarou & Anna Karatzani

***Blue and Yellow – A colourful approach to the dialectic between written sources and experimental archaeology**

Dominique Cardon, Paula Nabais, Patrick Brenac and Isabelle Castel-Brenac.

Fish skin dyeing tests with woad (*Isatis tinctoria*) and Japanese indigo (*Persicaria tinctoria*)

Adrienn Görgényi Andersdotter & Lotta Rahme

***Probing the Thermochromicity of Fabric Dyed with 6-Bromoindigo and 6,6'-Dibromoindigo, Components of Tyrian Purple**

Keith Ramig, Olga Lavinda, Timone Eskaros, Tazrian Islam, Sasan Karimi and Christopher Cooksey

Degradation products and colouring components of shellfish purple identified by UHPLC-MS/MS

Athina Vasileiadou, Ioannis Sampsonidis, Stavros Kalogiannis, Georgios Theodoridis, Ioannis Karapanagiotis, Anastasia Zotou

Identification of organic dyes in the assemblage of women's garments from the early 17th century discovered at the Benedictine Church of Sopron

Magdolna Békési-Gardánfalvi, Fehér Sándor, Bak Miklós and Tamás Hofmann

On the trail of colour: the garments of Cardinal-Infant Henry, a prince at the head of the Church

Inês Palma & Ana Manhita

'La peinture en bois' – Reconstructing a colourful past based on the faded present

Vincent Cattersel, Natalia Ortega Saez, Emile Van Binnebeke, Geert Van der Snickt and Nele Vanassche

Database of Artistic Materials of National Gallery Prague

Kateřina Hricková, Radka Šefců, Václava Antušková and Karolína Hricková

Antimicrobial properties of natural dyes and pigment

Barbara Btyskal

***Changes in the production of Burmese textiles in the long 19th century – a focus on dye and fibre characterisation of Karen garments from the British Museum's collection**

Diego Tamburini, Joanne Dyer, Caroline Cartwright and Alexandra Green.

Dyes of traditional clothing of Suiti in the 19th–20th century

Valda Valkovska

‡[Discovering the ink murals: multi-analytical approach for the study of Wall Drawing #736 by Sol LeWitt](#)

Adele Ferretti, Jacopo La Nasa, Ilaria Degano, Beatrice Campanella, Stefano Legnaioli, Sara Penoni, Renata Pintus, Cristiana Todaro, and Francesca Modugno

To be or not to be an iron gall ink: a multi-analytical methodology for the study of iron-polyphenol complexes

Natércia Teixeira, André Neto E Silva, Luís Cunha-Silva, Paula Nabais, Maria Rangel, Fernando Pina, Victor de Freitas and Maria João Melo

DHA 40 London, United Kingdom (online), 2021

Hosted on-line by the British Museum in London, 15 – 19 November 2021.

*** Published in proceedings**

‡ Published elsewhere

****The psychedelic world of textile dyes in Spitalfields – the V&A Leman silk.***

Lucia Burgio, Clare Browne & Maarten van Bommel

****Indigo in 18th century tapestries – Dyeing, use and degradation.***

Hortense de La Codre, Laurent Servant, Remy Chapoulie & Aurèlie Mounier

****Dyehouse notes from the Crutchley Archive: ‘grain’ dyeing practices with alum and tin ‘spirits’ for red woollen cloth, 1716 to 1728.***

Anita Quye, Jenny Balfour Paul & Dominique Cardon

Calico-printing in Mulhouse from 1750 to 1914: unpublished dyers’ books.

Marie-Anne Sarda

****Vordan Karmir: An attempt to unravel the mystery of Armenian cochineal recipes for paints and inks used in manuscripts.***

Hermine Grigoryan, Armen Sahakyan & Maria J. Melo

****Unravelling the origins, technical history and sciences behind the colouring of textiles, Conste des ververs, a Flemish dyeing manuscript from Leuven, 1619-1623.***

Natalia Ortega Saez, Sophie Kirkpatrick & André Verhecken

‡Investigation of Shellfish Purple in 20th-century Traditional Enredo from Oaxaca, Mexico by Means of Hyperspectral Imaging and MA-XRF.

Marc Vermeulen, Alicia McGeachy, Marc Walton & Rebecca Meyers

****Maya Blue: Painting from the Past in the Present.***

Laura Osorio Sunnucks, Joanne Dyer, Lorena Ancona & Luis May

****Evidence of the use of a dye chemically related to commelinin in Mesoamerican codices.***

David Buti, Chiara Grazia, Fabien Pottier, Anne Michelin, Christine Andraud, Virginia M. Lladó-Buisán, Davide Domenici, Aldo Romani, Antonio Sgamellotti & Costanza Miliani

****The Color Purple in the Andes.***

Elena Phipps

****Dyes on archaeological and historical contexts from the Atacama Desert (South America): A synthesis overview along time.***

Marcela Sepúlveda

****Ingenious Crafts: Tricks, Tips and Techniques for Dyeing Wool in ancient Mesopotamia (c. 2000-500 BCE).***

Shiyanthi Thavapalan

****Bright orange and scarlet red – disclosing the composition and degradation mechanisms of “combined lake” formulations.***

Francesca Sabatini, Eva Eis, Francesca Magini, Ilaria Degano & Thomas Rickert

‡Discovering the new colours of the XX century: a combined Raman and HPLC-HRMS study of ACNA dyes.

Alessandro Ciccola, Ilaria Serafini, Flaminia Vincenti, Kathryn Raeburn McClure, Camilla Montesano, Manuel Sergi, Gabriele Favero, Paolo Postorino & Roberta Curini

‡Bordering on Asian paintings: Dye analysis of textile borders and mountings to complement research on Asian pictorial art.

Diego Tamburini, Joanne Dyer, Monique Pullan, Teresa Heady, Alice Derham, Meejung Kim-Marande, Yu-Ping Luk & Imma Ramos

Quick-fire Presentations

The treasure chest of colours: dyes of the eighteenth-century West African textiles from the Thomas Clarkson's chest

Margarita Gleba, Malika Kraamer & Ina Vanden Berghe

†An optimised small-scale sample preparation workflow for historical dye analysis applied to Scottish and English Renaissance embroidery using UHPLC-PDA.

Edith Sandström, Lore Troalen, Helen Wyld, Logan Mackay & Alison Hulme

Development of a new mild extraction method for the analysis of natural dyes in Cultural Heritage textiles by LC-DAD-MS.

Silvana Vasilca, Irina Petroviciu, Daniel Negut, Marian Virgolici, Florin Albu, Andrei Medvedovici

A new on-gel sampling system for identification of lake-pigments in polychromies.

Adele Bosi, Alessandro Ciccola, Ilaria Serafini, Valentina Nigro, Paolo Postorino, Gabriele Favero & Roberta Curini

Traditional dyeing technologies in Latvia and Estonia.

Anete Karlson & Liis Luhamäe

Uncovering the secret recipe of Ajuda Songbook's pink.

Márcia Vieira, Paula Nabais, Graça Videira Lopes & Maria João Melo

Baltic Sea blue - experiments with woad and lichens.

Krista Wright, Riina Rammo, Mervi Pasanen & Jenni Sahramäe

Bark of alder species as a source of natural dyes.

Valda Valkovska & Liana Orola

An insight into cultural and technical choices behind dyes and pigments found in the 17th century polychromed wooden ceiling of Santa Rosa de Lima (Nueva Vizcaya, Mexico).

Karla Muñoz-Alcocer, Laura Fuster-López & Ma. Luisa Vázquez de Ágredos Pascual

Colour names on lead tags from a Roman cesspit in Carnuntum, Austria.

Regina Hofmann-de Keijzer, Beatrix Petznek, Ivan Radman-Livaja, Ines Bogensperger & Andreas G. Heiss

†Textile wrappings of Egyptian votive animal mummies: A multi-scalar investigation of the colouring materials.

Monica Gulmini, Diego Tamburini, Joanne Dyer, Marie Vandenbeusch, Matilde Borla, Debora Angelici, Maurizio Aceto, Cinzia Oliva, Federica Facchetti, Sara Aicardi & Patrizia Davit

Widening the South American dyes database: flavonoid and lichen dyes from Antúnez de Mayolo reference collection and case studies from the Bryn Mawr College collection (Pennsylvania, US).

Ilaria Degano, Francesca Sabatini, Sara Bonifazi, Ruth Ann Armitage & Jocelyn Alcantara-Garcia

Early Iron Age textile dyes from an inhumation burial from North Brabant.

Art Ness Proaño Gaibor, Sasja van der Vaart-Verschoof, Karina Grömer & Ineke Joosten

Using GC-C-IRMS to investigate biological sources of organic colourants in art through compound-specific carbon and nitrogen stable isotope analysis.

Eugenia Geddes da Filicaia, David Peggie & Richard Evershed

Advances in analytical methodologies through the application of Dispersive Liquid-Liquid MicroExtraction to characterize dyes in ancient textiles.

Ilaria Serafini, Flaminia Vincenti, Kathryn Raeburn McClure, Alessandro Ciccola, Camilla Montesano, Manuel Sergi, Gabriele Favero & Roberta Curini

Characterization of Congo Red derivatives on historical pH paper and textile and their significance in dye history and conservation.

Victor J. Chen, Robin Hanson, Robert E. Minto, Nicolas Manicke & Gregory D. Smith

****Scientific investigation into the transition from Madder to Alizarin dyes in French uniforms (pantalon garance).***

Mohamed Dallel & Marie-Anne Sarda

Investigation on dyeing technology of Qing dynasty longevity lamp streamers preserved in the Palace Museum.

Yun Zhang

‡ Dyes in traditional Saxon and Romanian costumes.

Irina Petroviciu, Iulia Teodorescu, Silvana Vasilca, Laura Troșan & Florin Albu

DHA 39 Sibiu, Romania, 2020

Hosted on-line by the ASTRA Center for Heritage, ASTRA Museum in Sibiu, 15 - 16 October 2020.

‡ Published elsewhere

Dyes in History and Archaeology – the growth of a field of study

Jo Kirby

‡ Revealing the organic dye and mordant composition of Paracas textiles by a combined analytical approach

Ilaria Degano

New insights for fibers and dyes from Snartemo V chieftain burial

Krista Vajanto

The burial garments of the 14th-century Portuguese Archbishop Gonçalo Pereira (†1348)

Cristina Maria Barrocas Dias

Creation of a colour chart and building of a spectral data bank with spectroscopic techniques for the in-situ study of Aubusson tapestries of the 18th century

Hortense de La Codre

Zooming in on historic colour charts of artists' paints of the early 20th century – The “Deutsches Farbenbuch” (1925)

Alina Astefanei

A popularity contest: the statistics of manufacture for early synthetic colourants

Jennifer Poulin

Travel to learn: a network of dye professionals

Jantiene van Elk

‡ Organic colorants as markers for a chronology and geography of medieval scriptoria and workshops

Paula Nabais, Maria João Melo

‡ Brazilwood lake pigments in the illuminated manuscripts of Alfonso X: their first use in medieval European manuscripts?

Márcia Vieira

Microscopic and spectroscopic characteristics of cochineal lake pigments focused on tin mordants

Martina Bajoux Kmoníčková

The most beautiful shade of red'. Re-discovering of Slavic folk recipes for dyeing with wild oregano (*Origanum vulgare* L.)

Kat Stasinska

Novel UPLC-PDA-HRMS method for natural, basic and acid dyes

Art Proaño Gaibor

Novel ZnO nanoparticle-based polymeric coatings for UV protection of natural dyes in historic textiles

Ludmila Otilia Cintează,

Short presentations

Records of natural dyeing in Transylvania

Márta Guttmann

Educational project, painting experiment with vegetable dyes

Hedy M-Kiss

Experimental printing using vegetal dyes – a sustainable approach in artistic expression

Ruxandra Eugenia Socaciu

Natural dyes in contemporary textile art

Irina Petroviciu

Documents from a revolutionary self-reinvention: Samuel Weatherill's dye notebooks, c. 1775-1785

Cindy Connelly Ryan

Sarmentum Tinctorial Garden: a bottom-up educational initiative

Ana Ursescu

Bright orange and scarlet red – first glance at “combined lakes” formulations

Francesca Sabatini

****Back from the Past: historical and experimental research of Winsor & Newton 19th-century recipes for Reseda Luteola***

Maria Carolina Veneno, Paula Nabais, Vanessa Otero

****Uncovering Al-Qalalūsī 13th-century treatise on ink making: new contributions to the study of medieval iron gall inks***

Vanessa Otero

Ink and paper characterization of 14th–18th century Ottoman period manuscripts

Neşe Çakır

Gamma radiation effect on natural dyes from historical textiles

Silvana Vasilca

Comparative study of the extraction of natural pigments from dyed woollen yarn using different acids

Valda Valkovska

“If these walls could talk”. The advent of synthetic dyes and their highly debated toxicity

Theodora Năstasie

Sharing colour – sharing knowledge. A new database for synthetic dyes and related materials

Marc Holly

DHA 38 Amsterdam, The Netherlands, 2019

Held at the University of Amsterdam, 6 - 9 November 2019.

*** Published in proceedings**

‡ Published elsewhere

****Tannins and the weighting of silk: the effects on pigments made from silk extracts***

David Peggie & Jo Kirby

****What is “bruzuļkoks”? or study on the dyewood discarded on the coast of the Baltic sea***

Anete Karlsone & Valda Valkovska

The colorful Saxon flowers and their dye sources

Irina Petroviciu, Iulia Teodorescu, Florin Albu, Marian Virgolici, Eugenia Nagoda & Andrei Medvedovici

****The materials used to create the Tahitian chief mourner’s costume and other Pacific bark cloth objects in the British Museum collection***

Diego Tamburini & Caroline R. Cartwright

Studies on the Central American dyestuff Justicia spicigera.

Joan M. Esson, Victor J. Chen & Gregory D. Smith

Città Paradiso: The Purples of Dura-Europos

Zvi Koren

Dyeing with lac-dye in France and England in the 18th century

Dominique Cardon & Anita Quye

****Natural Dyes in Worth Carpets at the Victoria and Albert Museum***

Laura Maccarelli, Roisin Morris & Terry Schaeffer

Comparison of Archival Documents and Analysis Results in the Materials of Ottoman Palace Fabrics

Recep Karadag & Emine Torgan Güzel

****Lac production in north east India: The history of its trade and current methods of production and marketing***

Cheryl Porter

****Reconstruction of Persian dyes used in manuscripts based on traditional recipes and development of a spectral database by non-invasive analytical techniques***

Mojtaba Mahmoudi Khorandi, Maurizio Aceto, Monica Gulmini, Oliver Hahn, Samanehalsadat Ehteram, Angela Benotto & Angelo Agostino

From India with love: a non-invasive method for the identification of lac dye in paintings and textiles

Maurizio Aceto

****The Zötl family: a tradition of dyeing in Austria***

Regina Hofmann-de Keijzer, Matthijs de Keijzer & Alfred Atteneder

The Burgundian Black Collaboratory: a look behind the scenes of an interdisciplinary research on black dyes

Natalia Ortega Saez, Jenny Boulboulle & Claudy Jongstra

From Brilliant to Fanal - Precipitation of Triphenylmethane dyes in the early 20th century

Rika Pause & Klaas Jan van den Berg

****On the set of Fellini's movies: investigating and preserving multi-material stage costumes***

Francesca Sabatini, Jacopo La Nasa, Camilla Guerrini, Isetta Tosini, Sara Bonadio, Federica Ursino, Marta Cimò, Licia Triolo & Ilaria Degano

The coal tar chemistry of Vincent van Gogh's ink drawings

Frank Ligterink, Art Ness Proaño Gaibor, Johan Neevel, Sanne Berbers, Inez van der Werf, Teio Meedendorp, Rob Erdmann & Birgit Reissland

****Conserving the Rainbow – Preservation of the Dye Collection of the Hochschule Niederrhein***

Marc Holly, Christoph Herm & Jürgen Schram

Development of a Toolbox for studying the Chemistry of light-induced degradation (TooCOLD)

Iris Groeneveld, Mimi den Uijl, Govert Somsen, Freek Ariese, Peter Schoenmakers & Maarten van Bommel

****Visible-excited spectrofluorimetry as a non-invasive tool for the “in situ” identification of natural dyes in historical textiles***

Silvia Bruni, Margherita Longoni, Silvia De Meo, Francesca Scalzo, Angela Dibenedetto & Vittoria Guglielmi

New approach for dyes extractions with gel application of ammonia-EDTA for microextraction from textiles

Ilaria Serafini , Giulia Germinario, Alessandro Ciccola, Ludovica Ruggiero, Marco Sbroscia, Flaminia Vicenti, Claudia Fasolato, Armida Sodo, Marcella Ioele, Fabio Talarico, Paolo Postorino & Roberta Curini

New method of natural indigo reduction using Baker’s Yeast as a biocatalyst

Younsook Shin, Kyunghee Son & Dong Il Yoo

Investigation of wars dye on blue and brown Yemeni cotton ikats

Julie H. Wertz, Richard Newman, Mark Nesbitt, Meredith Montague, Robin Hanson, Elizabeth Dospěl Williams & Mary McWilliams

Poster presentations

Materials identification of a 18th C. high quality tapestry of Aubusson (France) by UV-VIS-NIR in situ analyses. The case of the Verdure fine of the Brühl Count's coat of arms

Aurélie Mounier

UV-induced degradation of silk dyed with madder, cochineal and shellfish purple

Ioannis Karapanagiotis

The application of ATR-FTIR spectrometer in analysis of synthetic dyes produced in The “Boruta” Factory in Zgierz at the beginning of 20th century

Magdalena Wróbel-Szypula

Characterization of 19th Century Istanbul Kandilli Yazmas (hand-painted textiles)

Recep Karadag

Comparative Study of the Photostability and Degradation of Anthraquinone-based Dyes

Sarah J. Schmidtke Sobeck

****An American Purple: North Carolina Cudbear***

Terry T. Schaeffer, Laura Maccarelli, Victor J. Chen and Gregory D. Smith

Textile printing and dyeing : collection and research by artists and designers in the TextielMuseum

Jantiene van Elk

The colours of street art: the case of Blue’s mural

Ilaria Degano

BioColour: Bio-based Dyes and Pigments for Colour Palette - Combining Traditions with Innovations

Riikka Räisänen

A late 19th century recipe collection “Farben-Recepte” of the company Heinrich Wiesel

Eva Eis

Hidden secrets behind a folding screen

Marcella Stenbichler

Microbial Indigo Reduction by using KDB1 strain separated from Traditional Fermentation Bath

Younsook Shin

Study on sample books of textile fragments from Dutch ships in the 19th century, stored in KIT Museum

Yoshiko Sasaki

Benzylated methyl violet dye compounds structurally elucidated through UHPLC-PDA-HRMS analysis

Sanne Berbers

Synthetic organic colorants in the assessment of an artwork's authenticity

Václava Antušková

Using Norwich Pattern books to Accomplish Non-Destructive Analysis of Textiles

Jocelyn Alcántara-García

Understanding colour in Renaissance embroidery: new analytical approaches

Edith Sandström

Reds of the bronze age “civilization of the red thread” from the north cemetery in the Taklamakan desert

Dominique Cardon

The organic indigo vats: the magic blue of vegetable world

Julia Martínez García

How Spectroscopy helps Synthetic Textile Dyes to tell their Story

Yasmine Schulenburg

Analysis of the velvet fabric from the royal coach of King Philip II of Portugal (17th century)

Cristina Barrocas Dias

Crimson, black, silver and gold and a lavish 17th-century finding off the coast of Texel, North Holland

Ana Serrano

‡ Disclosing medieval Iberian iron-gall inks recipes through the use of historically accurate reconstructions

Natércia Teixeira

DHA 37 Lisbon, Portugal, 2018

Held at the NOVA University of Lisbon Caparica Campus, Lisbon, 25 - 26 October 2018.

*** Published in proceedings**

‡ Published elsewhere

****Unpacking a 19th century dyer's notebook***

Susan Kay-Williams

****Lakes on the large scale. The production of brazilwood lake pigments in 19th c. paint industry***

Eva Eis

Studies on Origanum vulgare as a traditional dye plant in Latvia

Anete Karlson, Ilva Nakurte

The use of dyes in the Qing dynasty textiles

Jian Liu, Feng Zhao

The Pazyryk Purples: a reinvestigation

Zvi Koren

Organic reds in El-Andaluz: a study on medieval Islamic manuscripts

Márcia Vieira, Paula Nabais, Eva M. Angelin, Maria J. Melo, Lourdes Martín, Marta Sameño

Chitta or china meet indianos, pintados, chita, chintz or indiennes

The mystery speaker

Textiles, trade and taste – Portugal and the world: Chairperson what happened after 8 years

Raquel Santos, Ana Claro, Maria João Ferreira, Jessica Hallett, Ana Serrano, Andreia Torres

In search of “lost yellows”: identification and occurrence of ancient polyphenol yellows in Portuguese plants, part II

Paula Nabais, Maria J. Melo, Dominique Cardon, Adelaide Clemente, M. Conceição Oliveira

Madder or alizarin: which dye for the French pantalon garance from 1850 to 1914?

Marie-Anne Sarda

‡ Mapping degradation pathways of natural and synthetic dyes with LC-MS: influence of solvent on the degradation of eosin and carminic acid

Maarten van Bommel, Bob W.J. Pirok, Giacomo Moro, Nienke Meekel, Sanne V.J. Berbers, Peter J. Schoenmakers

Quantification of dye uptake and loss by wool during (over)dyeing of weld, madder, redwood and indigo

Iris Groeneveld, Maarten R. van Bommel

The identification of yellow iron buff dye on Egyptian Textiles

Jennifer Poulin, Maeve Moriarty

Early synthetic dyes in Romanian red-yellow-blue ethnographical textiles decoration and historical flags

Irina Petroviciu, Iulia Teodorescu, Florin Albu, Marian Virgolici, Aurora Ilie

Photodegradation of triarylmethane and β -naphthol dyes

Francesca Sabatini, Chiara Braccini, Maarten van Bommel, Ilaria Degano

Natural dyes in madder (*Rubia* spp.) and their extraction and analysis in historical textiles

Richard Blackburn

Poster presentations

Imitation gold made from cornflowers

Nabil Ali

Photophysical properties of beta-naphthol pigments

Eva Mariasole Angelin, Austin Nevin, Marcello Picollo, Filipe Teixeira, Maria João Melo

A blue can conceal another! Non-invasive analyses of indigo mixtures used in Japanese ukiyo-e prints

Carole Biron, Aurélie Mounier, Gwénaëlle Le Bourdon, Rémy Chapoulie, Laurent Servant, Floréal Daniel

In Antoine Janot's blue steps

Dominique Cardon, Hisako Sumi, David Santandreu, Aboubakar Fofana, Charllotte Kwon, Tim Mc Loughlin

Logwood blue: dyeing, fading and the possible marker compound for the HPLC-PDA identification by a mild extraction

Rosa Costantini, Nobuko Shibayama

Vordan Karmir – Evaluating Lost Armenian Cochineal Recipes

Hermine Grigoryan, Maria João Melo

One size fits all – one method for the simultaneous analysis of natural and synthetic dyes by UHPLC-PDA (optimised by PIOTR)

Iris Groeneveld, Bob Pirok, Peter Schoenmakers, Maarten Van Bommel

A study in scarlet, and Cerise, and malachite green – Rediscovery of the historical collection of dyes at the hochschule Niederrhein

Marc Holly, Yasmine Schulenburg, Jürgen Schram

Archaeological experimentation of Iberian iron-gall ink recipes from the 15th – 17th century

Rafael Javier Díaz, Ana Luís, Paula Nabais, Maria João Melo, Ricardo Córdoba

A novel micro-invasive dye extraction protocol for LCMS identification of red organic dyes on watercolour paintings

Sotiria Kogou, Janes Casimiro, Shing C. Cheung, Haida Liang, David Kilgour

Reconstruction of the support layer of old master paintings

Helena Loermans

Ibirapitanga: rastros e impressões

Fabíola Mariano

The quest for Van Gogh's inks: 13 years of research at the state heritage laboratory (of the Netherlands)

Han Neevel, Birgit Reissland, Frank Ligterink, Art Proãno Gaibor

Dyes and pigments used for Magic Lantern glass slides: a literature review

Ângela Santos, Beatriz Rodrigues, Márcia Vilarigues

Research on indexing of deterioration state of silk cloth dyed with amur cork tree

Yoshiko Sasaki, Masahiko Tsukada, Ryohei, Fukae, Ken Sasaki

Pro-healthy activity of natural dyes. Tradition and contemporary research

Katarzyna Schmidt –Przewozna, Małgorzata Zimniewska

French marigold as a source of yellow colour

Katarzyna Schmidt –Przewozna, Karolina Zajączek, Anna Brandys

Yarns from the ashes: discovering and characterizing textiles in Pompeii

Ilaria Serafini, Francesca Coletti, Alessandro Ciccola, Flaminia Vincenti, Marcella Guiso, Armandodoriano Bianco, Paolo Postorino, Marco Galli, Roberta Curini

Natural dyeing - Use of natural dyes in natural fibers Operational Group

Carmo Serrano, José Passarinho, Pedro Reis, Inocêncio Seita Coelho, Maria C. Fernandes, Ana R. Prazeres, Nuno Belino, Jesus Rodilla, José Lucas

****Identification and characterization of natural yellow dye sources of Persian carpet using HPLC-MS***

Samaneh Sharif, Maria J. Melo, Paula Nabais, Adelaide Clemente, Maria da Conceição Oliveira

Identification of leuco-indigo by fluorescence spectrometric analysis

Younsook Shin, Chanhee Jung, Kyunghee Son, Hon Ding Duong, Jong Il Rhee, Dong Il Yoo

Improvement of natural dyeing of leather

Younsook Shin, Youngmi Yeo

****Enlightening the phenolic compounds present in iron gall inks obtained through the use of historically accurate reconstructions***

Natércia Teixeira, Paula Nabais, Nuno Mateus, Maria João Melo, Victor De Freitas

The rediscovery of the colouring elements in the highly degraded textile fragments from the princely grave from Poprad-Matejovce, Slovakia

Ina Vanden Berghe, Tereza Štolcová, Dorte, Schaarschmidt, Sylvia Mitschke

An investigation of the photostability of 19th century artist's cochineal lake pigments: artificial light aging vs microfading spectrometry

Tatiana Vitorino, Vanessa Otero, Julio M. Del Hoyo-Meléndez, Maria João Melo, António Jorge Parola, Marcello Picollo

The revival of the ancient technique of printing with mordants and dyeing in bi-colourants to achieve contemporary poly-chromic designs

Kate Wells, Katie Churn

Solar patterning: the employment of fast and fugitive colorants via the historical: anthotype, cyanotype and leuco-vat: solar dye patterning processes

Kate Wells

The expansion of color space in hair dyeing by using mordant technique

Dong li Yoo, Jinsu Ha, Younsook Shin

DHA 36 Hampton Court, England, UK, 2017

Held at the Royal School of Needlework at Hampton Court Palace, 26 - 28 October 2017.

*** Published in proceedings**

‡ Published elsewhere

****Revealing the Nature of the Madder Vat***

Vincent Daniels

Coloring secrets of vat dyes

Monika Ganeczko

****The tradition of Natural Dyeing in Latvia***

Anete Karlsone

Research on indexing of deterioration state for cultural textiles by fluorescence lifetime measurement

Yoshiko Sasaki

‡An investigation of the dye palette and fibre degradation in the 8th century Chinese embroidery ‘Sakyamuni Preaching on Vulture Peak’

Diego Tamburini

‡The dyes of the “Coptic” textiles at the Museo Egizio in Torino (Italy)

Monica Gulmini

‡Textile dyeing in Late Antique Egypt – sources, analysis and interpretation

Regina Hofmann-de Keijzer

A Survey of Dyes on Baluchi Carpets from the Boucher Collection of the Indianapolis Museum of Art

Victor Chen

A time capsule at the bottom of the sea: A material study of 17th-century textiles found in the Wadden Sea

Ana Serrano

Turkey red: History, Mystery and Chemistry

Mohammad Shahid

The Crutchley Archive of early eighteenth century pattern books and dyeing manuals: colour investigations for historical significance and preservation needs

Anita Quye

Examining the Milton printfield manuscripts: Edward Bancroft – a Scottish connection?

Vanessa Habib

Wood and Bedford / Yorkshire Dyeware and Chemical Company

Isabella Whitworth

****Cornelis Drebbel's Scarlet***

Matthijs de Keijzer

****Treading on Lichen: The use of Cudbear by a Victorian Carpet Manufacturer***

Terry Schaeffer and Laura Maccarelli

‡It's only a part of the story: an investigation into the dyes used on the Privilegium maius

Maurizio Aceto

Dye migration in archaeological textiles - an experiment

Maj Ringgaard

‡Mapping mordants in Paracas textiles

Marei Hacke

The dark-side of polyphenols in medieval manuscripts: a study on iron gall inks

Maria Melo

Interaction of paper and early synthetic dyes on textile sample books

Marc Holly

Investigating the degradation pathway of xanthene dyes in textiles

Francesca Sabatini

Synthetic dyes of the 1980s: a new multi-analytical approach to the isolation and identification of ACNA wool dyes

Ilaria Serafini

Posters

DHA 35 Pisa, Italy, 2016

Held at the University of Pisa, 5 - 8 October 2016.

*** Published in proceedings**

‡ Published elsewhere

Red dyes in the florentine dye company “Francesco di Giuliano Salviati e Comp., tintori d’arte maggiore”, 1483-1498

Ingrid Houssaye-Michienzi, Dominique Cardon

Textiles from medieval waste layers in New Town Prague– Identification of organic dyes

David Kohout, Helena Březinová, Josef Chudoba, Ivan Viden

‡ The early synthetic organic dyes: International patents

Matthijs de Keijzer, Regina Hofmann - de Keijzer

Use of a new sampling technique for identification of 19th century inks for drawing and writing

Art Ness Proaño Gaibor, Johan Neevel, Birgit Reissland, Muriel Geldof, Frank Ligterink

Disguises, surprises and identity crises for 19th century early aniline dyes

Anita Quye

HPLC-DAD and HPLC-ESI-Q-ToF characterisation of early 20th century lakes and pigments from Lefranc archives

Ilaria Degano, Pietro Tognotti, Francesca Modugno, Diane Kunzelman, Maria Perla Colombini

****Fake lakes? The use of starch and other adsorbent substrates in paint manufacture***

Eva Eis

Aging and fading of eosin, a remarkable pigment in XIX-XX century painting

Francesca Sabatini, Pietro Tognotti, Anna Lluveras-Tenorio, Ilaria Degano

Looking for the 'right' colour, virtual retouching of an early 20th century cabinet designed by Piet Kramer

Maarten R. van Bommel, Federica van Adrichem, Frank Ligterink

‡ The Purple poor relatives: improvements in the identification of folium and orchil on manuscripts

Maurizio Aceto, Elisa Calà, Angelo Agostino, Gaia Fenoglio, Ambra Idone, Cheryl Porter, Charlotte Denoël, Monica Gulmini

Study of orcein decomposition by LC-ESI/MS/MS

Monika Ganeczko, Bartłomiej Witkowski, Magdalena Biesaga, Monika Stachurska, Helena Hryszko, Agnieszka Laudy, Tomasz Gierczak

‡ Revisiting the purples of Chrozophora Tinctoria

Paula Nabais, Maria João Melo, Maria Guimarães, Rita Araújo, Rita Castro, Conceição Oliveira,

Is it really real molluscan purple or just masquerading as such

Zvi C. Koren

Dyestuff or natural pigmentation

Annemette Bruselius Scharff

Safflower red-dyed textiles: Degradation in illuminated and dark environments

Rosa Costantini, Ina Vanden Berghe, Francesca Caterina Izzo

Searching for historical names of the red colours in Polish language - based on the historical sources and dye analyses of the 16th and 17th century fabrics from the collection of the National Museum In Warsaw

Ewa Orlińska-Mianowska, Monika Janisz

Colors of arrases: How LC-MS combines past and present times

Katarzyna Lech, Damian Dąbrowski, Maciej Jarosz

****William Lauder Lindsay 1829-1880 – Three Scottish pattern books***

Vanessa Habib

An enlightened approach towards the display of late 19th century fashion textiles: a UPLC-MS/MS and micro fade study of mauve and violet aniline dyes

Lore Troalen, Rosie Upton, Claire Maugueret, Miriam Mcleod, Fergus McNab, Logan Mackay, Alison N. Hulme

Natural or synthetic? The Identification of anthraquinone dyes on historical Turkey red by UHPLC-PDA analysis

Julie H. Wertz, Anita Quye, David France

Comparison of molecular pattern of American and Armenian cochineal dyed yarn, extracted through a new mild extraction technique

Ilaria Serafini, Livia Lombardi, Camilla Montesano, Fabio Sciubba, Marcella Guiso, Roberta Curini, Armandodoriano Bianco

The application of GC-MS with TMTFTH extraction and derivatisation for the characterisation of natural dyes on museum objects

Jennifer Poulin

Identification of natural dyes in textiles and documents seal threads from the national museum of Romanian history

Irina Petroviciu, Ileana Cretu, Florin Albu, Marian Virgolici, Andrei Medvedovici

A natural dyeing method for obtaining Turkey red color

Recep Karadag

Indigo and cochineal at 17th century Spanish colonial polychrome architecture in Chihuahua, Mexico: seeking the transmission of a millenarian technology

Karla Muñoz-Alcocer, Laura Fuster-López, M. Luisa Vázquez De Ágredos-Pascual, Marcello Picollo, Giovanni Bartolozzi, Jose Luis Ruvalcaba-Sil, Miguel Ángel Maynez, Edgar Casanova-González, Isaac Rangel-Chávez

****Analysis of red yarns in textiles from the Huaca Malena archaeological site in Peru***

Laura Maccarelli, Elizabeth Burr, Ioanna Kakoulli, Terry T. Schaeffer, And R. Ángeles Falcón

Posters

Application of natural dyes in dyeing of traditional carpet yarns

Kubra Aliyeva, Fariz Khalilli, Sudabe Mikayilova

In search of color traces in ancient stone materials

Susanna Bracci, Donata Magrini, Roberta Iannaccone

The Dante's Perse Colour: A Study of Medieval Dyeing Applied to Italian Literature

Ottavio Brigandi

Multi-Analytical Identification of Tannin-Based Stains On Wood

Caterina Cappuccini, Adriana Rizzo, Federico Carò, Mechthild Baumeister, Daniel Hausdorf

Characterization Of Dyes Used in Book bindings From Books Of Hours

Rita Araújo, Maria João Melo, Paula Nabais, Tatiana Vitorino, Maria Conceição Oliveira, Conceição Casanova, Ana Lemos

Revealing the secrets of the madder dye and pigment vat

Vincent Daniels

Complexities of lucidin chemistry in the extraction of textile artefacts dyed with dyer's madder (Rubia tinctorum L.)

Lauren Ford, Richard Blackburn, Chris Rayner

PY-GC-MS of some triarylcarbonium pigments: characterisation and identification in felt-tip pens

Giulia Germinario, Inez Dorothé Van Der Werf, Antonio Mirabile, Luigia Sabbatini

The Italian Woad Trade in the Datini funds (Prato, Tuscany, at the end of the 14th century)

Mathieu Harsch

Accessible Or Exclusive? Blue Textiles In The Mediterranean 1000-500 BC

Patricia Hopewell, Susanna Harris

Analysis of synthetic dyestuffs of two historical naval flags in the Istanbul naval museum with ion-pair chromatography

Sevim Karabulut, Türkan Yurdun, Gülbin Erdoğan

Identification of resin based dyes using HPLC-UV-Vis ESI MS/MS

Damian Dąbrowski, Jan Gozdzalik, Katarzyna Lech, Maciej Jarosz

Interpret SERS spectra of natural lake pigments: a SERS database of isolated compounds present in ammonia extracts obtained through HPTLC-SERS

Livia Lombardi, Ilaria Serafini, Claudia Fasolato, Paolo Postorino, Camilla Montesano, Roberta Curini, Fabio Sciubba, Marcella Guiso, Armandodoriano Bianco

Textiles From the Gokstad Viking Ship's Grave

Jeannette J. Łucejko, Marianne Vedeler, Ilaria Degano, Maria Perla Colombini

Dye characterization of a Gürün wrap by using HPLC-DAD

D. Gizem Özkan, Halide Sarioğlu

Dye analysis of wool Gürün wrap (stylized as Persian wrap) yarns by HPLC-DAD

D. Gizem Özkan, Türkan Yurdun, Halide Sarioğlu

Kinetics of dyeing and spectroscopic properties of dye from Dialium Guinense and Pterocarpus Erinaceus (African Rosewood)

Adeola Popoola

The chemical effect of filtered visible light on light-sensitive dyes

Anita Quye, Jing Han, Malcolm Innes

Assessing the Crutchley Archive of an early 18th century dye company in Southwark, London

Anita Quye, Dominique Cardon, Jennifer Balfour-Paul, Lisa Moss

Preliminary research about the application of the Fluorescence Lifetime Measurement for Cultural Properties

Yoshiko Sasaki, Ryohei Fukae, Ken Sasaki

Indigo dyeing of ramie fabric by bioreduction with saccharomyces cerevisiae

Dong Il Yoo, Kyunghi Son, Younsook Shin

Ancient Mixtec colour technology: Experimental reconstructions of codex production

Ludo Snijders, Art Ness Proaño Gaibor

"If Your Vat Turns To Death Refresh It With Mercury And Saffron... The Problem Was Always the Yellow!"

Georg Stark

A study of textiles from early nomadic cultures of Siberia

Diego Tamburini, Rebecca Stacey, Caroline Cartwright, St John Simpson

Multidirectional investigation of organic cotton fabrics dyed with Anatolian buckthorn and gallnut by historical recipes

Emine Torgan, Recep Karadag

Antifungal activity and HPLC analyses of silk fabrics dyed with madder and gallnut

Emine Torgan, Rezan Alkan, Recep Karadag

Identification of the Ottoman tent textiles for sustainability of Cultural Heritage

Emine Torgan, Cemile Tuna

Dye sources used by May Morris in the embroideries from Melsetter House: a UPLC-PDA and MS study

Claire Manguéret, Lore Troalen, Stephen Jackson, Alison N. Hulme

Blue textiles almost two millennia old from Northern Finland

Krista Vajanto, Sanna Lipkin, Janne Ruokolainen

****The ancient raw materials dyes reinterpreted at pharmacopeias of the Modern Europe***

M. Luisa Vázquez De Ágredos Pascual, M. Julia Martinez García

Dyes “crocuses” of the Old and New world

M. Julia Martinez García, M. Luisa Vázquez De Ágredos Pascual

The Dyeing Properties and Functionality of Nymphaea tetragona Leaves Extract

Youngmi Yeo, Younsook Shin

Application of Mixed Natural Colorants onto Hair dyeing: Basic Approach

Chanhee Jung, Younsook Shin, Dong Il Yoo

Application of Mixed Natural Colorants onto Hair dyeing: Coloration System

Chanhee Jung, Younsook Shin, Dong Il Yoo

DHA 34 Thessaloniki, Greece, 2015

Held at the University Ecclesiastical Academy of Thessaloniki, 21 - 24 October 2015.

*** Published in proceedings**

‡ Published elsewhere

‡ *A medieval illuminated manuscript "Ajuda Songbook": what the identification of organic dyes in the colour paints can tell us?*

Maria J. Melo, Paula Nabais, Rita Castro, Tatiana Vitorino, Graça Videira Lopes

‡ *Natural dyes in seal threads from documents issued by Prince Stephan the Great (1457-1504)*

Irina Petroviciu, Ileana Cretu, Florin Albu, Marian Virgolici, Andrei Medvedovici

****Non-invasive characterization of dye-based paints in prehispanic Mesoamerica: The colors of the Codex Borbonicus***

Fabien Pottier, Anne Michelin, Christine Andraud, Fabrice Goubard, Aymeric Histace, Bertrand Lavédrine

A new archaeometric method for the fast non-destructive identification of molluscan purple in textile dyeings

Zvi C. Koren

Shining a light on Turkey red: applying FTIR for non-invasive identification of heritage textiles

Julie H. Wertz, Anita Quye, David France, Pik Leung Tang, Lesley Richmond

Degradation products of the glycosidic components in Rubia tinctorum

Lauren Ford, Richard S. Blackburn, Christopher M. Rayner

****Mass spectrometric study of protoberberine alkaloids in aged textiles dyed with amur cork tree (Phellodendron spp.)***

Yoshiko Sasaki, Ken Sasaki

****The early synthetic organic dyes: the sulphur or sulphide dyes***

Matthijs de Keijzer, Regina Hofmann-de Keijzer

****A study of dye colour charts of the 1860s and 70s and their adoption by fashion of the period***

Susan Kay-Williams

****The activity of dyers in Thrace during the 19th and 20th century***

Ifigeneia Papakonstandinou

Textile dyes in pre-Columbian northern Chile

Hans Barnard, Ran Boytner

Identification of dyestuffs used in Peruvian ancient textiles

Kirti Patel, Candy Ruiz, David Condori, Camilo Diaz, Geraldine Espinoza, Jenny Figari, Rosario Rojas

Dyes in Italy during the first millennium BC

Margarita Gleba, Ina Vanden Berghe

Typically variable? A chemical study of commercial aniline dyes in a 19th C sample book

Anita Quye, Jing Han

Dye and metal thread analyses of some tomb covers in Istanbul Fatih Mosque Complex

Recep Karadag, Emine Torgan

Timeline of colours in Dutch fashion Rijksmuseum costume collection, 17th to 20th century

Art Ness Proano Gaibor, Suzan Meijer, Bianca du Mortier

****Yellow dyes of historical importance IV. Sawwort (*Serratula tinctoria* L.) and weld (*Reseda luteola* L.) in the Florentine Dye company “Francesco di Giuliano Salviati e Comp., tintori d’arte Maggiore”, 1483-149***

Dominique Cardon, Ingrid Houssaye-Michienzi

The failed experiment. An attempt at reviving the Polish cochineal dyeing in eighteenth-century Poland

Ewa Orlińska-Mianowska, Monika Janisz

How much scientific information could be preserved in an embroidery thread?

Ileana Cretu, Irina Petroviciu, Zizi Ileana Balta, Ina Vanden Berghe, Mihai Lupu

****The politics of colour – recovering the dye producing lichens of the Scottish highlands in June 1916***

Vanessa Habib

****Dye analysis of historical textiles from Okinawa and Indonesia. Was there any exchange of dyeing techniques between these regions?***

Chika Mouri

****A Study of Dyeing in the Ming and Qing Dynasties (1368-1912) from multiple perspectives***

Jing Han, Anita Quye

Comparison of Malaysian and Indian ikat technique. Color and design analysis

Katarzyna Schmidt-Przewozna

****The problematic of bleeding of indigo dyed threads of a group of central Asian silk samites dated from the 7-8th century***

Helene Dubuis

Characterization of Madder compounds present in lake and textile, throw ammonia extraction and micro-sampling with Ag-gel matrix associated with SERS analysis

Livia Lombardi, Ilaria Serafini, Marcella Guiso, Fabio Sciubba, Armandodoriano Bianco

The quest for folium

Maurizio Aceto, Aldo Arrais, Elisa Cala, Claudio Cassino, Marco Clericuzio, Francesco Marsano, Angelo Agostino, Gaia Fenoglio, Monica Gulmini, Ambra Idone, Luigi Menghini, Lidia Leporini, Nicola Di Matteo, Cheryl Porter

Posters

Red dyes used for Kalamkari textiles

Ina Vanden Berghe, Lynda Hillyer

Degradation of glycosylated aglycons of natural dyes

David Kohout, Helena Brezinova, Ivan Viden, Josef Chudoba

Identification of natural dyestuffs of four historical naval ensigns in the Istanbul Naval Museum with high pressure liquid chromatography (HPLC)

Sevim Karabulut, Türkan Yurdun, Gülbin Erdoğan, Emre Dölen

Examination of dyed silk fabrics with dyer's sumac (*Cotinus coggygria* Scop.) according to different mordants

Emine Torgan

Eco-friendly indigo dyeing using extract from orange peel waste

Younsook Shin, Min Choi, Young-Mee Yeo, Dong-Il Yoo

Effect of cryoprotectant on bacterial reduction in indigo dyeing

Younsook Shin, Kyunghee Son, Eun-Sil Choi, Dong-Il Yoo

Hair-dyeing by using *Rubus coreanus* Miquel sludge

Dong Il Yoo, Min Choi, Younsook Shin

Cosolvent effect on micellar solubilization of indigo

Neşe Çakır, Çağlar Demirbağ, Sinem Göktürk

The analysis findings that will form the basis of textile conservation process in the Ankara Ethnography Museum

D. Gizem Özkan, Halide Sarioğlu

Inorganic substrates of lake pigments: data from post-byzantine Greek icons

George P. Mastrotheodoros, Konstantinos G. Beltsios, Yannis Bassiakos

Turmeric: to eat or to dye? A natural historical dye

Ekaterini Tsatse, Elvira Kotali, Ioannis Karapanagiotis, Antigoni Kotali

The Byzantine Epitaphioi of Mount Athos: historical and technological context

Christos Karydis, Dimitrios Mantzouris, Ioannis Karapanagiotis

HPLC-DAD-MS and LDI-MS strategies for anthraquinoid lakes identification in paint samples

Francesca Sabatini, Anna Lluveras-Tenorio, Ilaria Degano, Stepanka Kuckova, Maria Perla Colombini

Red pigments of Boraginaceae family: A historical overview

Antigoni E. Koletti, Eleni G. Karapanagioti, Alexandros Nakas, Vassilios P. Papageorgiou, Andreana N. Assimopoulou

Non-destructive analysis of pigments in Byzantine paintings.

Thomas Katsaros, Theodore Ghanetsos

Partial Solvation Parameters: An holistic approach in solubility prediction –Application in anthraquinone dye.

Dimitra Aslanidou, Costas Panayiotou

Chemical analysis for coloring materials used for “Guanyin with Rainbow Halo” stored in Scripps College, USA

Yoshiko Sasaki, Masaaki Naka, Ken Sasaki

Storing grains during Ninevite 5 Period in the Khabour basin: ways and methods used

Nancy Badra

Dye extraction from Dialium guinense, characterization and application on cellulose fabric.

Adeola V. Popoola

Colorimetric study of Chinese traditional dyeing and ageing silk textiles

Jinjin Xu, Decai Gong

Proposal of a new mild extraction technique for organic dyes in historical artworks

Ilaria Serafini, Livia Lombardi, Marcella Guiso, Fabio Sciubba, Armandodoriano Bianco

Raman spectroscopy pigment identification in a painting from J. F. Mücke

Theodore Ghanetsos, Igor Lukačević, Thomas Katsaros, Ante Matanić

Reviving the ancient indigo cultivation and industry in southern Jordan as a source of income for the local community: from historical and archaeological evidence to a modern trial

Valentina Gamba, Konstantinos D. Politis, Mohammed I. Al-Qinna

Antimicrobial activity of dyed silk fabrics with madder and gall oak

Rezan Alkan, Emine Torgan, Recep Karadag

Traditional use of saffron, safflower and celidonia for yellow-gold dye in the Ancient Mediterranean World: references from written sources.

Carmen Alfaro Giner, M Julia Martínez García, Jónatan Ortiz García

Dyes from Boraginaceae species: from ancient codes to modern medicine

Vassilios P. Papageorgiou, Andreana N. Assimopoulou

Dyeing camel wool with acetic acid extract of Hibiscus rosa sinensis flower for Sadu House of Kuwait

Lamya Hayat

DHA 33 Glasgow, Scotland, UK, 2014

Held at Bute Hall, University of Glasgow, 29 October - 1 November 2014.

*** Published in proceedings**

‡ Published elsewhere

‡ *Technical analysis of archaeological Andean painted textiles*

Rebecca Summerour, Jennifer Giaccari, Keats Webb, Chika Mouri, Nicole Little

Dyeing practice and the Society : A study of historical Chinese dyes of the Ming and Qing Dynasties (1368-1911) by chemical analysis and history of art

Jing Han, Anita Quye

New revolutionary chemical insights regarding the ancient purple dyeing process and Pliny's ultimate decipherment

Zvi C Koren

The Red Road of the Iberian Expansion, cochineal and the global dye trade : Characterization of crimson textiles dyed with scale insects using UHPLC and multivariate statistical analysis

Ana Serrano, Maarten van Bommel, João Lopes, Jessica Hallett

Polish cochineal - true or legend ? Investigation of red dyes in Polish textiles from the collection of the National Museum in Warsaw

Ewa Orlińska-Mianowska, Monika Janisz, Elżbieta Rostonec, Katarzyna Lech

****Mjolon or "Swedish sumac" *Arctostaphylos uva-ursi* L. as a dye source and mordant***

Margareta Bergstrand

Colour fashions in Constantinople in the light of some unpublished archives of a Florentine company (end of XVth century)

Ingrid Houssaye Michienzi, Dominique Cardon

****Reading polychrome laces : Multispectral imaging techniques on historic textiles from the Collection of the Metropolitan Museum of Art***

Chiara Romano, Joanne Dyer, Nobuko Shibayama

****A Garland of Dyes : Dye sources and the stylistic development of English Turkeywork carpets***

Jamie Mulherron, Lore G Troalen, Rosie Upton, Alison N Hulme

Traditional tapestries in the old Polish territories

Katarzyna Schmidt-Przewoźna, Anna Brandys

Extraction and identification of natural dyes for sustainable and historical applications

Lauren Ford, Richard S Blackburn, Christopher M Rayner

To extract or not to extract ? : Strategies for the extraction of organic colorants from textile and paint samples

Maarten van Bommel, Thibaut Devière, Ioannis Karapanagiotis, Catherine Higgitt, Jo Kirby, Dimitrios Mantzouris, David Pegg, Art Ness Proaño Gaibor, Joanna Russell, Ina Vanden Berghe

****Scarlet, or Mock, or Not***

Terry T Schaeffer, Laura Maccarelli, Diana C Rambaldi

Dyer's Greenweed fingerprinting in historical textiles using UHPLC and MS-MS

Lore G Troalen, Ashley S Phillips, David A Pegg, Perdita E Barran, Alison N Hulme

Brazilwood lakes : Towards the identification of a marker component

David Pegg, Jo Kirby, Wim Genuit, Julija Romanuka

Iron gall dyestuffs - A model study of degradation of textiles

Annalaura Restivo, Marialaura Dilillo, Ilaria Degano, Erika Ribechini, Maria Perla Colombini

‡ *Mythic dyes or mythic colour ? New insight into the use of purple dyes on codices*

Maurizio Aceto, Aldo Arrais, Francesco Marsano, Angelo Agostino, Gaia Fenoglio, Monica Gulmini, Ambra Idone, Daniela Gastaldi, Pietro Baraldi, Cheryl Porter, Isabella Whitworth

A multi-disciplinary approach to analysis of historical red lake pigment samples

Diane Kunzelman, Ezio Buzzegoli, Mattia Patti, Claudia Marchese, Daniela Uldank, Ilaria Degano, Ilaria Bonaduce, Francesca Modugno, Margherita D'Ayala Valva, Francesca Rosi, Francesca Gabrieli, Austin Nevin, Sara Bellei

‡ *Correlation between colour, dye source(s) and fibres functionality - Hazard or criteria for "gold embroideries" dating and provenance ?*

Ileana Cretu, Irina Petroviciu, Ina Vanden Berghe, Jan Wouters, Mihai Lupu, Florin Albu, Andrei Medvedovici

‡ *Yellow silk for Buddha - Dye analysis on Tang Dynasty textiles from the Famen temple near Xi'an, Shaanxi Province, China*

Regina Hofmann-de Keijzer, Regina Knaller, Maarten van Bommel, Ineke Joosten, Andreas G Heiss, Helga Natschläger, Bernhard Pichler, Rudolf Erlach, Luc Megens, Matthijs de Keijzer

‡ *A coat of many colours : Dye analysis of an Uzbek coat*

Victor J Chen, Gregory D Smith, Amanda Holden, Niloo Paydar, Kathleen Kiefer

David Smith : Dyer and manufacturing chemist - Man of transition

Susan Kay-Williams

German synthetic dyes go East and West, period 1860-1913

Matthijs de Keijzer, Regina Hofmann-de Keijzer

Posters

Preliminary results from the characterisation of folium

Maurizio Aceto, Aldo Arrais, Francesco Marsano, Elisa Calà, Angelo Agostino, Gaia Fenoglio, Monica Gulmini, Ambra Idone, Luigi Menghini, Lidia Leporini, Nicola Di Matteo, Cheryl Porter

Using LC-DAD-MS to investigate the biodegradation of cochineal and brazilwood chromophores with fungi isolated from an historical Arraiolos reg

Cristina Barrocas Dias, Joana Junceiro, Ana Manhita, Rosario Martins, Ana Teresa Caldeira

Alum production in late medieval time : A new Mediterranean approach

Didier Boisseuil, Luisa Dallai

Formation and its printability specifications of natural indigo printing inks

Candan Cengiz, Emine Totgan, M Batuhan Kurt, Recep Karadag

Investigation of properties and printing forces of inks obtained from Dactylopius coccus Costa

Candan Cengiz, M Batuhan Kurt, Emine Totgan, Recep Karadag

Material and microbiological characterization of the Evora Inquisition Banner

T Ferreira, H Mestre, A Conde, P Monteiro, A Candeias, C Dias, A T Caldeira

The purple pigment and dye used in Daskyleion in the Persian period

Alexandros Konstanta, Dimitrios Mantzouris, Ioannis Karapanagiotis, Recep Karadag, Dimitrios Lampakis, Emine Torgan, Ali Akin Akyol, Kaan Iren

Silk Dyes and Mordants from the Medieval Waste Layer in Prague

David Kohout, Helena Březinová

****Pseudoindirubin : a marker for woad-dyed textiles ?***

Richard Laursen, Chika Mouri

Can the juniper be a good raw material as mordant and dyestuff ?

M Julia Martinez Garcia

Reconstructing medieval lake pigments from "The book on how to make colours"

Maria João Melo, Rita Castro, Tatiana Vitorino

Preparing the next generation of the DHA meetings

Roxany Moustarda, Ioannis Karapanagiotis

Dye Sources and Technical Analysis of the 13th and 14th Century Parrots in Roundels Silks

Jamie Mulherron, Lore G Troalen, Rosie Upton, Miriam McLeod, Alison N Hulme

Sensitivity of the red and blue dyes to the Bookkeeper preparation

Anna Nowicka

‡ Dye analysis contributes to the interpretation of the object's history : investigating upholstery of the 1841 horse-drawn railway carriage 'Hannibal' at the Technisches Museum Wien

Luba Dovgan Nurse, Valentina Ljubic-Tobisch, Chris Clouter, Maarten R van Bommel, Alisa Selviasiuk, Matthijs de Keijzer, Regina Hofmann-de Keijzer

Anatolian hand-woven Boyabat scarf's technical and aesthetical properties

D Gizem Özkan, Halide Sarioglu

Optical and spectroscopic techniques in the identification of historic pigments and dyes

Marta Pilarska, Jaroslaw Rogoz, Pawel Szroeder, Elbieta Basiul, Teresa Kurkiewicz, Adam Cupa

All in the mix at the 19th C Blantyre dyeworks : synthetic violets and coloured pigments

Anita Quye, Julie Wertz, Maarten van Bommel, Ineke Joosten, Karen Carruthers

Colourful textiles from a naturally-mummified medieval body from Sudan

Joanna Russell, Marei Hacke, Thibaut Deviese, Catherine Higgitt

Fading colour of logwood as designer inspiration

Katarzyna Schmidt-Przewozna, Anna Brandys

Identifying fuchsine visually in dress and textile collections

Anita Quye, Eve-Anne Scholler, Sabine Wieber

Alternative Bioprocess of Indigo Reduction Dyeing using Freeze-dried Bacteria Strains from Traditional Indigo Vat

Younsook Shin, Kyunghee Son, Eun Sil Choi, Dong-Il Yoo

Reproduction and Evaluation of Traditional Black Dyes of Korea

Younsook Shin, Kyunghee Son, Jun Yan, Dong-Il Yoo

Textile Dyeing with Aqueous Extracts from Cone of Metasequoia

Jun Yan, Dong-Il Yoo, Younsook Shin

A Versatile Tradition : Textile Dyeing for book conservation, using the Daubeny Library board slotting project as an exemplar

Victoria Stevens

Dyes and possible mordants in miscellaneous Finnish archaeological textiles

Krista Vajanto, Maarten van Bommel

Creation and analysis of synthetic alizarin and replicating Turkey red

Julie H Wertz, Anita Quye, David France, Lesley Richmond

DHA 32 La Rochelle, France, 2013

Held at Espace Encan in La Rochelle, 2 - 5 October 2013.

*** Published in proceedings**

‡ Published elsewhere

To be (purple) or not to be

Maurizio Aceto, Angelo Agostino, Gaia Fenoglio, Ambra Idone, Monica Gulmini, Rolf Haubrichs, Pietro Baraldi

Organic lake pigment analysis of Koru tumulus at Daskyleion in the Persian period

Ali Akin Akyol, Emine Torgan, Kaan Iren, Recep Karadag

Using a “false shellfish purple” to dye wool

Cristina Maria Barrocas Dias, M. Silva, A. Manhita, Teresa Alexandra da Silva Ferreira

From botanical source to analytical result: the influence of recipe and plant source on appearance and composition of anthraquinone and flavonoid dyes and pigments

Jo Kirby, Maarten van Bommel, Alexia Coudray, Thibaut Deviese, Ioannis Karapanagiotis, Catherine Higgitt, Dimitrios Mantzouris, David Pegg, Rachel Morrison, Art Ness Proaño Gaibor, Mark Richter, Joanna Russell, Heike Stege, Ina Vanden Berghe

Black dyed wool from five Belgian Archives (1650 - 1850) versus historical recipes and urban regulations

Natalia Ortega Saez, Ina Vanden Berghe, Olivier Schalm, Joost Caen, Bert De Munck

Resurrecting Turkey red: Adapting an historic process for modern re-creation and analysis

Julie Wertz, Anita Quye, David France, Lesley Richmond

MALDI-TOF-TOF mass spectrometry for the identification of natural red dyes

Sophie Dallongeville, C. Tokarski, C. Rolando, Nicolas Garnier

‡ Changing the aglycone composition of madder-derived pigments

Vincent Daniels, Thibaut Deviese, Marei Hacke, Catherine Higgitt

Red Dyes used for Rouge Cotton (Enji-wata)

Yoshiko Sasaki, Ryohei Fukae, Ken Sasaki

Shearings and clippings: mediaeval production of red lake pigments

Indra Kneepken, Art Ness Proaño Gaibor, Arie Wallert

Identification of pigments and dyes used on polychrome clay sculptures and wooden artifact from the Astana Tomb of the Tang dynasty (AD 618 - AD 907), Xinjiang, China

Yimin Yang, Huiping Zhen, Yi Si, Qiuju He, Bo Wang, Changsui Wang

Cochineal and its lake pigments: historic reconstructions from Winsor & Newton's archives

Maria J. Melo, Vanessa Otero, Tatiana Vitorino, Leslie Carlyle

Pigments, organic colorants and binding media in the Cyprus Orthodox icons tradition

A. Lluveras-Tenorio, I. Degano, F. Parlanti, I. Bonaduce, K. Rasmussen, G. Lorenzetti, S. Legnaioli, V. Palleschi, D. Demosthenous, M.P. Colombini

Embroidered networks: Indo-Portuguese textiles, their dyes and diverse origins

Inês Cristóvãoa, Ana Claro

Evolving industries: Identifying yellow dyes in 17th-century “Indo-Persian” carpets

R. Santos, J. Hallett, A. Claro, B. McCarthy

Dyes and Dyeing in the Ming and Qing Dynasties (1368 - 1911) in China: Preliminary Evidence Based on Primary Chinese Sources

Jing Han, Anita Quye

‡ Feeling blue, dye red - Early synthetic organic dyes: substantive cotton dyes

Matthijs de Keijzer

Scientific research on natural dyes in Turkey, in the period of 1930 - 1950

Emre Dolen

Treasures from a Leeds Dye Chemist: A Century-Old "Tyrian Purple"?

Isabella Whitworth, Zvi C. Koren

Comparative study of the accelerated ageing of Andean natural organic colorants by colorimetry and chromatography

Caterina Cappuccini, Thibaut Deviese, Catherine Higgitt

Natural dyes in new archaeological and ethnographic researches in Azerbaijan

Fariz Khalilli, Shola Bayramov

The approach to the characteristics of eighteenth-century silk colour palette

Ewa Mianowska-Orlinska, Maria Cybulska

Application of Bacteria from Korean Traditional Indigo Vat to Indigo Reduction

Younsook Shin, Kyunghee Son, Eun Sil Choi, Dong-Il Yoo

Natural dyeing techniques for the restoration of ancient tapestries: Innocolors Project

Isabelle Clonier, Paola Croveri

Posters

The Analysis of the Relative Abundance of the Dyestuffs Obtained from Kermes (Kermes Vermillio) in the Northwest of Turkey

Serap Ayaz Seyhan, Çağlar Demirbağ, Emre Dölen

Identification of Indigoid Dyes Found in Rapana venosa by High Performance Liquid Chromatography with Diode-array Detection

Çağlar Demirbağ, Serap Ayaz Seyhan, Emre Dölen

Material characterization of a Liturgical Cope belonging to D. Teotónioof Braganza (16th Century)

T. Ferreira, H. Moreiras, A. Manhita, C. Frade, E. Lopes, P. Tomaz, P. S. Rodrigues, J. Mirão, A. Candeias, C. Dias, A. T. Caldeira

Dyeing in carpet art in Azerbaijan

Vugar Guliyev, Irada Gadirova

Selected Coptic textiles from the collection of the Egyptian Museum of Turin: a non-invasive survey on dyeing materials

Monica Gulmini, Ambra Idone, Manuela Moi, Matilde Borla, Cinzia Oliva, Maurizio Aceto

Extraction of a red dye from the roots Arnebia decumbens (Ad) from Kuwait desert of multi - medicinal values

Lamya Hayat

An Evaluation of Barbarossa Hayrettin Pasha's Naval Ensign of the 16th Century in Istanbul Naval Museum with Dyestuff Analysis

Sevim Karabulut, Türkan Yurdun, Gülbin Erdoğan, Emre Dölen

Cochineal, wild madder and other colourants detected in Hellenistic/Roman figurines

Ioannis Karapanagiotis, Dimitrios Lampakis, Anna Fostiridou, Svetlana Vivtenko, Panagiotis Manoudis, Lilian Achilara

Exploring the development of dye sample books 1856 - 1905

Dr Susan Kay-Williams

Dyes on Japanese silk mountings in the last 300 years

Chika Mouri, Blythe McCarthy

Dyes in textiles from Romanian collections in a European context (EURODYE) a CHARISMA/ARCHLAB PROJECT developed at the Cultural Heritage Agency of the Netherlands (OCW-RCE)

Irina Petroviciu, Ileana Cretu, Mihai Lupu

Dyeing Plants as a source of Beautiful colour for knitted linen fabrics

Assoc Prof. Dr. Katarzyna Schmidt-Przewozna, Assos Pror. Malgorzata Zimniewska, Jakub Kowalinski , Barbara Romanowska

Natural dyestuffs as connection between the world of history, culture and technical applications. Promotion of historical methods by INF&MP

Katarzyna Schmidt-Przewozna, Jakub Kowalinski

Indigo Dyeing Using Organic Reducing Agent from Food By-product

Younsook Shin, Min Choi, Dong-Il Yoo

Reduction of Indigo using Yeast Strains

Younsook Shin, Kyunghee Son, Dong-Il Yoo

Characterization of precursors of dye from gastropods of *Ocenebrellus inornatus* and *Ocenebra erinacea* detected on the Island of Ré in the Atlantic coast of France

Anne-Laure Gagez, Boris Letribot, Jean-René Chérouvrier, Dominique Cardon, Anne de La Sayette, Laurent Picot, Valérie Thiéry

Silk dyeing and lake pigments obtaining from *Helichrysum arenarium* and their analysis

Emine Torgan, Berrin Altuntepe and Recep Karadag

Characterization of *Morinda citrifolia* L. dye and its identification in cultural heritage artifacts from New Caledonia

M. Toussirot, W. Nowik, E. Hnawia, N. Lebouvier, A-E Hay, A. de la Sayette, M-G Dijoux-Franca, P. Cabalion, D. Cardon, M. Nour

Purple dyeing with strawberry tree and alkanna according to the Classical recipes: insights in the dye content of this particular vegetable purple dyeing recipe

Ina Vanden Berghe, M^a Julia Martinez García

INNOCOLORS - A European collaboration to promote natural dyes for industry and restoration of cultural heritage

Christine Brunet, Oscar Chiantore, Isabelle Clonier, Paola Croveri, Anne de la Sayette, Laura Degani, Julia Gazères, Valérie Girardin, Roberto Pertile

DHA 31 Antwerp, Belgium, 2012

Held in Antwerp, 18 - 19 October 2012.

*** Published in proceedings**

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Yes, it is beautiful - but is it really light - fast? Micro - fade tester as a tool to evaluate the light fastness of natural dyes

Judith Bannerman, Margareta Bergstrand and Jeanette Schering

Using Optical Reflectance Spectra to Analyse Dyed Textile by Principal Component Analysis

Jing Han, Wei Liu, Gang Hu and Xiaomei Zhang

Chances and limits of VIS-spectrometry - a non- destructive method of dye- determination applied on ancient textiles.

Annette Paetz gen. Schieck and Elke Michler

****Identification of dyes in Persian manuscripts.***

Ambra Idone, Maurizio Aceto, Monica Gulmini, Angelo Agostino and Gaia Fenoglio

The role of yellow-dyed papers in the protection against biological attack.

Hassan Ebeid, Jean Brown and Brian Singer

Using Natural Dyes in Restoration of Ancient Manuscripts.

Mohamed Marouf and Rafat Elkhatib

Identification of anthraquinone markers for distinguishing Rubia species in madder-dyed textiles.

Chika Mouri and Richard Laursen

****Characterisation of once-black Queen Victoria's Privy Council dress c.1837.***

Mika Takami and Ina Vanden Berghe

****Unravelling the colour palette of 19th century furniture: Reconstruction and analysis of synthetic dyes used as stains.***

Maarten R. van Bommel and Enrica Fantini

****An improved method for the analysis of Tyrian purple samples and the application to historical and archaeological samples.***

Ioannis Karapanagiotis, Dimitrios Mantzouris and Chris Cooksey

****An Integrated Microscopic and Chromatographic Analysis of the Molluskan Purple Yarns in the Katoen Natie KTN 1475 Coptic Textile.***

Zvi C Koren and Chris Verhecken-Lammens

Royal purple in historical, analytical and technical context.

Jan Wouters and Chris Verhecken-Lammens

*****Alkanna tinctoria* (L.) Tausch as Purple Dye in the Recipes of Papyrus Graecus Holmiensis and Papyrus Leidensis X.***

Christina Kreuzner

****κομάρι some hypothesis about an enigmatic dyestuff described in certain recipes of Greek alchemical papyri.***

Julia Martínez García

****A Flemish dye recipes manuscript from the 1620's***

Andre Verhecken and Patricia Pikhaus .

****Beyond the eyesight: the puzzle of a Japanese manchira***

Maria Perla Colombini, Susanna Conti, Ilaria Degano, Isetta Tosini and Licia Triolo

****Provenance analysis of protoberberines in Amur Cork tree in historical textiles: an approach for origin of the textiles in East Asia.***

Yoshiko Sasaki and Ken Sasaki

HPLC-PDA analysis of safflower red and -yellow, cape jasmine and gromwell in mild-acid hydrolyzed samples of Asian historic textiles.

Jan Wouters and Ana Claro

A discussion on the biological sources identified in kilims and knot carpets belonging to the National Art Museum of Romania.

Irina Petroviciu, Ileana Cretu, Mircea Dunca, Florin Albu and Andrei Medvedovici

Dyestuff, metal and technical analyses of some historical silk objects from Topkapi Palace Museum.

Emine Torgan, Recep Karadag and Leopold Puchinger

Thorny Questions About the Athapaskan Porcupine Quill work Collection at National Museums Scotland.

Lore G. Troalen, Alison N. Hulme, Jim Tate and Chantal Knowles

Dyes and Textiles from Shipwrecks. Case studies Vrouw Maria and St. Michel from the Age of Enlightenment.

Riikka Alvik

Central coastal textiles from the Chancay culture : dye sources and technologies.

Thibaut Deviese and Catherine Higgitt

‡Dyes and dye plants of Bronze and Iron Age Europe.

Regina Hofmann-de Keijzer, Maarten R. van Bommel, Anna Hartl, Andreas Heiss and Art Ness Proaño Gaibor

Posters

Pink-violet residues from pottery recovered in Sumthuran (Oman): chromatographic and mass spectrometric investigations

Erika Ribechini, Ilaria Degano, Marco Zanaboni, A. Pavan and Maria Perla Colombini

The short life of tannins - an innovative approach to the study of ageing processes in tannin dyed textiles

Maria Perla Colombini, Ilaria Degano, Sandro Jurinovich, Stefano Legnaioli, Benedetta Mennucci, Vincenzo Palleschi, Josefina Perez-Arantegui, Annalaura Restivo and Erika Ribechini

Glass, Vitriol, and Indigo

Anthony Durham and Michael Goormachtigh

Rhitons - semantic and dyestuff analyses

Jeyhun Eminli, Khagani Almammadov, Emil Iskenderov

Dyeing of silk fabrics with madder (*Rubia tinctorum* L.) and their analyses

Gökhan Erkan, Canan Aydin, Emine Torgan and Recep Karadag

Study of Enji : Red Dyes for Cosmetics, Medicine and Colours

Hiromi Kutsuna, Yoshiko Sasaki, Ken Sasaki and Takahiko Kutsuna

****Decomposition and analysis of Carthamin in safflower-dyes textiles***

Richard Laursen and Chika Mouri

Brazilwood and its lake pigments: historic reconstructions

Maria J. Melo, Vanessa Otero, Tatiana Vitorino and Leslie Carlyle

† Study of the influence of black dyes in the physico-mechanical behaviour of silk fabrics

E. M. Montesinos-Ferrandis, S. Vicente-Palomino, L. Fuster-López and D.J. Yusá Marco

Effects of a textile cleaning method using supercritical CO₂ on dyes

Dimitra Aslanidou, Kostas Tsiptsias, Ioannis Karapanagiotis, Costas Panayiotou

Re-thinking to Reflectance Spectrometry as a tool to identify some classes of dyes in old textiles and paintings in situ with examples

Gianluca Poldi

Studies of the category "Rheinische Zeugdrucke"

Maike Piecuch

Dyeing of mats and other decorative artifacts using natural dye from Ginger Rhizome

Adeola Victor Popoola

Rare compounds studies in Reseda luteola L. and Rubia tinctorum L

Art Ness Proaño Gaibor, Maarten van Bommel, Susanna Bracci, Jo Kirby Atkinson and David Peggie

A New Method for Characterizing Dyestuffs with Ultra-Performance Liquid Chromatography

Ana Serrano, Maarten van Bommel, Jessica Hallett

Microbiological analysis of naturally fermented indigo vat by Korean traditional method

Younsook Shin, Geun Joong Kim, Dong-Il Yoo

English tapestry workshops in the mid-16th century : characterisation and provenance through PDA-HPLC and UPLC analysis

Lore G. Troalen, Helen Hughes, Jim Tate, David Howell and Alison N. Hulme

Dialogue with folklore and dye analysis - HPLC-DAD analysis of some Finnish folkloristic textiles

Riikka Räisänen, Krista Vajanto and Ina Vanden Berghe

The Tekhelet Project: to revive the industrial dyeing of ancient hyacinthine purple

I. Irving Ziderman

DHA 30 Derby, England, UK, 2011

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The Colours of Sweden. A short history of the use of organic dyes and lakes in Sweden

M Bergstrand and K Hinrichs Degerblad

‡ *A colour boom: the di- and tri-aryl methane dyes*

M de Keijzer, M van Bommel and R Hofmann-de Keijzer

At the close of the first synthetic dye epoch: synthetic and natural dyes and dyeing in review

J. Richard Aspland

How surprising was the almost complete absence of indigo dyeing in the Pacific islands?

R Feldman

Mineral impurities as indicators of the origin of natural indigo samples

P John, P García-Macías, P Harris, M Hodson

Dyes recovered from shipwrecks; special reference to indigo from a Spanish galleon

Rex Cowan and Jenny Balfour-Paul

Indigo dyeing among the Yorubas of South Western Nigeria: A historical perspective.

Adeola V. Popoola

ART, TRADE AND CHEMISTRY IN THE AGE OF ENLIGHTENMENT: The Colours of Cudbear and Galium and the Pioneering Work of Cuthbert and George Gordon of Leith and Glasgow

Vanessa Habib .

A Study of natural dyes of Egyptian paper: preliminary findings and discussion

H Ebeid, A Geary, J Brown

Natural dyes in Polish batik: a century of experiments

K Schmidt-Przewozna, M Wronska-Friend

Unusual dyeing recipes from 18th century Languedoc illustrated-Historical and technical comments

Dominique Cardon

**** Woad is more than blue***

A Hartl, A Ness Proaño Gaibor, R Hofmann-de Keijzer, M R. van Bommel

Shellfish purple in pre-Roman Italy: new evidence from Strozze (Perugia/Corciano)

Margarita Gleba, Ina Vanden Berghe

Identification of Tyrian Purple in Aegean Bronze Age pigments

I Karapanagiotis, S Sotiropoulou, L Valianou

What was The Royal Society doing with alum in the mid-17th century ?

David Pybus

The use of handheld XRF as an aid to the identification of dyes

Mike Dobby

A New Methodology for the Analysis of Cochineal Dyes in Historical Textiles

A Serrano, M Sousa, J Hallett, J Lopes, C Oliveira

Are Transforms of Diffuse Reflectance Spectra Suitable for Use in Dye Identification?

Terry Schaeffer and Diana Rambaldi

Natural Organic Dyestuff Analysis: The Charged Aerosol Detector (CAD) compared to the Diode Array Detector (DAD)

L. Puchinger, R Paltram and E Brynzak

Determination of Yellow Dyes based on Quantitative Analysis of Protoberberine Alkaloids

Yoshiko Sasaki, Ken Sasaki

Identification of Dyes in Rare Fatimid Textiles in the museum of Faculty of Archaeology, Cairo University, Egypt

O Abdel-Kareem, H E. Ahmed, K Elnagar

Analysis of organic colorants at the British Museum and preliminary results from study of the Andean textile collection

T Deviese, C Higgitt, N Bosscher and Lousiane Verger

Renaissance pigments from textiles: silks from the Victoria & Albert Museum and sources of dye for pigments in paintings from the National Gallery Collection

David Peggie, Rachel Morrison, Jo Kirby and Lisa Monnas

‡ The preparation of madder-based pigments in antiquity

Vincent Daniels, Marei Hacke and Catherine Higgitt

The Gösta Sandberg collection of dyed textile samples, dying equipment and archival material at the Museum of World Culture in Gothenburg

Margareta Ekroth Edebo, Anna Javér

Dyes as Ink, Ink as Medicine - Drinking the Word of God in Northern Nigeria

Michaelle Biddle

Posters

Application of Laser Induced Fluorescent as a Non-destructive Technique in Identification of Dyes on Museum Textiles in Egypt

O Abdel-Kareem, A. Eltokhy, M.A. Harith

Raman spectroscopy of nineteenth century synthetic textile dyes

Rosemary M. Baker

Effect of After Treatment Process on Woollen Dyed Properties by Madder

Zahra Ahmadi

Decaying markers of some wall painting artificial aging pigments by the air pollutants agents and the biologic attack

A Emandi, M Marinescu, O Cinteza, T Emandi

Dyestuff analyzes and decoration methods of the Chalcolithic painted and dyed pottery of Azerbaijan

Khagani Almammadov

Can colour protect? The role of yellow dyed endpapers in protection against biological attack

Hassan Ebeid

Examination on RP-HPLC-DAD, colour and fastness properties of dyed silk fabrics with madder (*Rubia tinctorium* L.) and Walloon oak (*Quercus ithaburensis* Decaisne)

Ozan Deveoglu, Burcu Y.Sahinbaskan, Emine Torgan, Recep Karadag

Portable and micro-XRF: a non-destructive way to screen textiles and identify mordants

M W. Ballard, L Mina, M Hacke, and R J.Speakman

Characterisation of organic pigments by HPLC-ESI-Q-ToF: preliminary investigations

Maria Perla Colombini, Ilaria Degano, Maria Laura Dilillo

****Dyeing techniques of the Hallstatt-Textiles: analysis, experiments and inspiration for contemporary application***

A Hartl, R Hofmann-de Keijzer, M R. van Bommel, A Ness Proaño Gaibor, I Joosten, K Grömer, H Rösel-Mautendorfer, K Kania, H Reschreiter, E Lachner, M Wandl, R Erlach

Extraction methods for the HPLC characterisation of organic colorants in cultural heritage objects: creations of an online searchable bibliographic reference database

N Bosscher, T Deviese, J Padfield, C Higgitt, A Ness Proaño Gaibor, H Schraven and M van Bommel

Describing the "elusive": Availability, Preparation and Use of Anthocyanin Colorants in the North of Europe from the 14th to the 16th century

Sylvie Neven, Jana Sanyova

A rapid and reliable quantification protocol for the study of the artificially ageing of indigo pigment

M Marinescu, A Emandi, I. Emandi, O Cinteza

Optimization of variables in the dyeing of woollen yarn by madder in order to dye matching

Zahra Ahmadi

James Watt and Turkey Red

Jane Insley

In Vitro Testing for Genotoxicity of Indigoid Dyes by Comet Assay

Seher Karsli Ceppioglu and Turkan Yurdun

Effects of Sizing agents on the mechanical and dyeing properties of native Cotton fabric dyed using dyestuff from Morinda lucida (Brimstone tree)

Victor Popoola, Mariam Oloye and Yewande Alade

Dyes from shipwreck Vrouw Maria

Krista Vajanto, Riikka Alvik

Development of an RP-HPLC Method for the Analysis of Flavonoids in Achillea biebersteinii and Investigation of Wool Dyeing

D. Susuz, E. Dölen

Investigation of dyeing properties of silk fibers dyed by weld (Reseda luteola L.) and Walloon oak (Quercus ithaburensis Decaisne)

Ozan Deveoglu, Burcu Y.Sahinbaskan, Emine Torgan, Recep Karadag

Determining Stability Constants of Kermesic Acid and Flavokermesic Acid Complexes with Tin(II) by Potentiometric Method

Emre Dölen and Serap Ayaz Seyhan

Determination of Red Dyes used for Rouge Cotton (Enji-wata)

Y Sasaki, R Fukae, T Kutuna, H Kutuna, K Sasaki

Black dyed wool: Production techniques, degradation and their effect on conservation

Natalia Ortega Saez, Ina Vanden Berghe

Investigation of Metal Wired Coloured Historical Textile Using Scanning Electron Microscopy (SEM) and HPLC-DAD.

T Yurdun, Seher Karsli Ceppioglu, R. Gurcan Oraltay

DHA 29 Lisbon, Portugal, 2010

Held in Lisbon, 11-13 November 2010.

*** Published in proceedings**

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Kihachijo, an unusual, traditional Japanese yellow dye

Richard Laursen

Dyeing and printing in Edinburgh in the age of Enlightenment: the manufacturing interests of Andrew Fletcher of Saltoun, 1692-1766

Vanessa Habib

English “Sheldon” tapestry workshop in the mid-16th century: characterisation and provenance through PDA-HPLC analysis

Nicolas Garnier

Microbial decolourization and degradation of natural red dyes extracted from genuine silk velours in Wilanów - Museum Palace

A. Skłodowska

New findings of the biblical Argaman purple dyes at Masada : an HPLC-PDA multicomponent study

Zvi Koren

LC-MS and LC-MS/MS dye analysis on textiles and parchment documents from Romanian collections

Irina Petroviciu

The public perception of synthetic textile dyes in England in the late nineteenth century

Rosie Baker

The Dyeing of Paper in the Pulp : handbook in the past database in the present

Cristina Montagner

Characterisation of Early Synthetic Dyes by HPLC-DAD-ESI/MS

Conceição Oliveira

LC-ESI MS/MS study of pre-Columbian Peruvian textiles from the state ethnographic museum in Warsaw

Katarzyna Lech

**** Indigo carmine : favoured but fading***

Matthijs de Keijzer

Material study on historical Portuguese Arraiolos tapestries (17th-19th century period)

Cristina Dias

Characterization of natural and synthetic dyes employed in the manufacture of Chinese garment pieces by LC-DAD and LC-DAD-QTOF

Estrella Sanz

ESI Mass Spectrometric Analysis of the Early Synthetic Dyes

Ken Sasaki

English “Sheldon” tapestry workshop in the mid-16th century: characterisation and provenance through PDA-HPLC analysis

Lore G. Troalen

The identification of the organic painting materials in Andrea Mantegna’s Pala di San Zeno

Ilaria Degano

Safflower (Carthamus tinctorius L.). History of use in China; ancient and present-day preparation technologies; a new identification strategy

Jan Wouters

Silk in the Prussian royal palaces - dye and pigment analysis

Jens Bartoll

Folklore red in Finland

Krista Vajanto

The Orchil Trail : from Portugal and Angola

Isabella Whitworth

Posters

Photovoltaic, antioxidant and neuroprotective potentials of some natural dyes of tropical Africa.

A.O. Adetuyi, T.L. Akomolafe, S.A. Adefegha, C.S. Odeyemi, G. Oboh and A.V. Popoola

Similarity and variation in painting motifs of the Eneolithic and Antique pottery of Azerbaijan

Jeyhun Eminli and Khaqani Almamedov

Application of vibrational spectroscopy for detection of luteolin and its complexes with Al(III)

A. Baran, E. Mrozek and M. Baranska

Determining stability constants of kermesic acid and flavokermesic acid complexes with aluminium(III) by potentiometric method'

Emre Dölen and Serap Ayaz

Study of nineteenth century green morocco leather upholstery'

Lina Falcão, Maria Eduarda M. Araújo and Pedro D. Vaz

The color hue and photostability of wool dyed with plants traditionally used in Alentejo region'

L. Tobias, S. Salvador, A. Manhita, H. Vargas, I. Ribeiro, A. Candeias, D. Teixeira, C. Barrocas Dias and T. Ferreira

Collecting botanical sources: Joint research on organic pigments and dyestuffs

Art Néss Proaño Gaibor, Jo Kirby Atkinson, Maarten van Bommel, David Peggie, Ina Vanden Berghe, Ioannis Karapanagiotis, Sophia Sotiropoulou, Thibaut Deviese, Catherine Higgitt, Costanza Miliani, Heike Stege, Mark Richter and Susanna Bracci

Study of pink colorant residues in archaeological ceramics from Kush and Siraf, two sites on the Persian Gulf

Thibaut Deviese, Catherine Higgitt, Janet Ambers, Jo Kirby and St John Simpson

Review of extraction methods for the characterisation by HPLC of organic colorants in textiles and pigments in cultural heritage objects

Thibaut Deviese, Catherine Higgitt, Ioannis Karapanagiotis, Jo Kirby, Maarten van Bommel and Ina Vanden Berghe

1930 Spring color palette of Lyon Dyers' Guild – tandem mass spectrometry in identification of early synthetic dyes

Katarzyna Lech and Maciej Jarosz

Dyestuffs examination of Quercus infectoria and Quercus ithaburensis by the fermentation

Emine Torgan, Recep Karadag and Turkan Yurdun

The Rainbow project: a collaborative platform and online database on natural dyes and textile fibres

Marie Marquet and Dominique Cardon

The environmental sustainability era: a dyeing study of the wool/PLA blend

F. Franco, J. Lucas, R. Miguel, A. Manich, D. Cayuela and J. Carvalho

Dyeing materials used for a Mediterranean carpet and a traditional Greek child costume around 1900

Leopold Puchinger, Ioannis Karapanagiotis, Dimitrios Mantzouris and Martin Puchinger

Indigo – one molecule, three forms, numerous applications

Raquel Rondão, J. Sergio Seixas de Melo, Jorge Parola and Maria J. Melo

The Color Standards Reference of natural dyes: Reds on Silk

Masako Saito and Nobuko Kajitani

Thirteenth-century Sicilian lampas silk

Masako Saito and Nobuko Kajitani

The mystery of three Persian carpets

R. Santos, J. Hallett, M.M. Sousa, Maria P. Cruz and N. Leal

Revitalization of technology of natural dyeing in Polish double warp textiles

Katarzyna Schmidt-Przewozna

Creating colours: the making of dyed textiles and organic pigments

Maarten van Bommel and Jo Kirby

DHA 28 Poznan, Poland, 2009

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*** Published in proceedings**

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LC-DAD and LC-MS dye analysis on textiles from Romanian collections

I. Petroviciu, I. Vanden Berghe, I. Cretu, A. Medvedovici, F. Albu

Dyestuff analysis of the 4th-7th- and 13th-14th-century archaeological textiles from the National Museum of History of Azerbaijan

F. Khalilli, B. Ibrahimov, T. Yurdun, R. Karadag

The LC-ESI MS Study of Chasubles from the Treasury of the Wawel Cathedral

K. Lech, M. Jarosz

****Non-destructive Dye Analysis for the Fragment of Japanese Kimono***

Y. Sasaki, K. Sasaki

Analytical challenge and conservation: the case of the early restoration of a medieval tapestry

I. Degano, M.P. Colombini

Tyrian purple and other dyes identified in a Byzantine textile

I. Karapanagiotis, L. Valianou

The Purples of Masada

Z. C. Koren

True purple in ancient Egypt: an affordable luxury

D. Cardon, W. Nowik, M. Trojanowicz, R. Marcinowska, K. Kusyk, H. Granger-Taylor.

Enigma of the Septuagenarian Murex

I. I. Ziderman

Hexaplex snail sex and the Purple pigment

I. Boesken Kanold, Z. C. Koren

The isolation of Shellfish Purple and identification as 6,6'-dibromoindigo by Paul Friedländer (Video).

R. Haubrichs

‡An Asian-European Assemblage - Dyestuffs and Mordants on a Viennese Folding Screen, decorated with a Chinese Embroidery

E. Oberhumer, M. R. van Bommel, M. de Keijzer, S. de Groot, R. Erlach, R. Hofmann-de Keijzer

Analysis of Early Synthetic Dyes with HPLC-DAD-MS and FTIR

M. M. Sousa, M. Ballard, J. Giacciai, C. Grzywacz

‡The colourful life of Adolf Lehne (1856-1930)

M. de Keijzer, R. Hofmann-de Keijzer

‡Lehne's tables: An overview of 19th-century synthetic dyes

M. van Bommel, M. de Keijzer, K. van Duin

Three medieval tinctorial plants - woad, madder, weld: their usage as medicinal plants since the Neolithic to the present times. The case of woad

B. Verhille

A Leeds Archive Rediscovered and the Orchil Trail to Ecuador

I. Whitworth

Polish cochineal *Porphyophora polonica* L. --traditional natural dyestuff used in Wielkopolska Province.

K. Schmidt-Przewozna, W. Przewozny

****Is Red Truly the Colour of Love ? Colours' Functions in Polish Folk Attire.***

J. Minksztyl

A research on wool yarn resistance in Anatolian natural dyeing

M. Akan, Z. Erdogan

Application of nanolignin for improvement of UV barrier properties of naturally dyed fabrics

M. Zimniewska, J. Batog, K. Schmidt-Przewozna, E. Bogacz

Dyeing the Silk Texture with Some Colour Plants and Comparing the Light fastness and Breaking Resistance of the Acquired Colours

Z. Tezel, H. Sinem Sanli

Striped mittens of the Lady of Eura - a reconstruction of Viking Age nalbinding fragments

K. Vajanto

Dyes and pigment lakes in medieval Portuguese illuminations

M. J. Melo, C. Miguel, V. Risdonne

Surface-Enhanced Raman Spectroscopy (SERS) applied to the detection of organic pigments and dyes in Cultural Heritage objects

C. Domingo, Z. Jurasekova, E. del Puerto, J.V. Garcia-Ramos, S. Sanchez-Cortes

PY-CGC/MS - A new method for analyzing organic dyestuffs

L. Puchinger, F. Sauter, A. Gössl

Posters

CHARISMA: Cultural Heritage Advanced Research Infrastructures: Synergy for a Multidisciplinary Approach to conservation / restoration CHARISMA: Cultural Heritage Advanced Research Infrastructures: Synergy for a Multidisciplinary Approach to conservation / restoration

M. van Bommel, I. Joosten, A. de Tagle

Dyes on Japanese azmor brains from XIIth to XIXth Centuries

Masako Saito

Dyestuff analysis of the XVIth and XIXth Centuries ethnographic silk textiles from the National Museum of History of Azerbaijan.

G. Abdulova, T. Yurdun, R. Karadag

Problems Raised by the Chromatic Integration in the Restoration of Ethnographic Carpets

I.L. Ilea

Formation, HPLC analysis and colour measurement of the natural pigment obtained from weld (Reseda luteola)

R. Karadag, E. Cöcen, T. Yurdun

LC-DAD and LC-MS dye analysis on textiles from Romanian collections

I. Vanden Berghe

Clothing and Identities. New perspectives on Textiles from the Roman Empire (DressID)

I. Vanden Berghe, M. van Strydonck

Investigation of dyes used in textiles of Mount Athos

D. Mantzouris, I. Karapanagiotis

Carminic acid pigments from Cochineal

E. Dolen, S. Karabulut

Joshua Wardle's "raven blacks" dyed on silk in the mid-1800s.

P.A. Sykas

Characterization of natural dyes from the reference collection of American dyestuff of the Spanish Cultural Heritage Institute (IPCE)

E. Sanz, A. Arteaga, M.A. García, C. Cámara

Traditional Greendyeing in Switzerland. A Retrospective View: Verena Zortea's Life and Work from "Oetzi" to "Cycle of the Year 2008"

Anne Rickenbach

Colour and motif used in felt textures

N. Kayabasi, N. Dölger, B. Er

Painted pottery of Azerbaijan in the Hellenic period

J. Eminli

Colour and paints used in Kutahya tiles

N. Kayabasi, B. Er, S.Kara

Results of Optimisation Studies for Madder Dyeing.

L. Puchinger, F. Sauter, A. Gössl

Extraction of a red dye from a Kuwaiti desert plant (Al Kuhail) that has multiple medicinal application potentials.

L. Hayat

Natural Resources used by Church Painters in Northern Ethiopia, 2007

J. Mellors, A. Parsons

Dyeing of Silk Yarns with Important Some Dye Plants in Turkey

H. Sinem SANLI, N. Kayabasi, F. Söylemezoglu

Dyeing, fastness and UV protection properties of natural Dye

R. Mongkholrattanasit, J. Krystufek, J. Wiener

Identification of flavonoids in aerial parts of Weld (Reseda luteola) extract, dyed silk and colour measurement

T. Yurdun. R. Karadag

The influence of different natural dyes on the degradation of the cellulose textile material

L. Kucеров, M. Krdlantov

An extensive study of the effect of the enzyme protease that used in textile conservation on cotton fabric dyed with turmeric dye, madder dye.

E. A Harby, N Fragiskos, Kollis

CHARISMA, Joint research activity: From botanical source to analytical result.

M. van Bommel, M. Groot Wassink, S. de Groot, Art Ness Proano Gaibor, J. Kirby, D. Peggie, S. Sotiropoulou, I. Karapanagiotis, C.Miliani, C. Clementi, I.vanden Berghe, H. Stege

Tanacetum vulgare as a source of dye and drug

R. Räisänen, S.Hynninen Tancy

Dye plants in phytotherapy

J. Kozłowski., W.Buchwald., A Adamczak, A.Forycka, E. Bilinska

Revitalization of natural dyeing plants in INF&MP; plantations

K.Schmidt-Przewozna, J.Kowalinski, G.Oleszak, Turowski

DHA 27 Istanbul, Turkey, 2008

Held at Mamara University, Istanbul, Turkey, 7-10 October 2008

*** Published in proceedings**

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Interaction of 16th to 18th century English Yorkshire alum producers, salters and London dyers

David Pybus

An 18th century London dyer's working notebooks : How they produced pastel colours 'out of grain'

David Mitchell

The working life span of 17th and 18th century London dyers

Roger Feldman, David Pybus and David Mitchell

‡ *The early synthetic organic dyestuffs : the ponceaus*

Matthijs de Keijzer, Maarten R. van Bommel and Regina Hofmann de Keijzer

Prussian blue, such a French dye

François Delamare

Red color, water insoluble medicinal extracts of shikonin dyes from Arnebiae decumbens (Baraginoceae)

Lamya Hayat

Surface improvement on linen naturally dyed fabrics to increase dyeing efficiency

Katarzyna Schmidt - Przewozna

Dyeing properties of alkaline extracts of Eucalyptus's bark and their comparison with reactive dyeings

Shaukat Ali, Saima Umbreen, Muhammad Asif and Tanveer Hussain

Optimization of alkaline extraction of natural dye from Acacia's bark and its dyeing on cotton by exhaust method

Shaukat Ali, Saima Umbreen, Muhammad Asif and Tanveer Hussain

Indigo plants and woad in ancient Asia Minor

Bernard Verhille

Indigo dyeing among the Yorubas of South Western Nigeria : A historical perspective

Adeola V. Popoola

Indigo in archaeological textiles

Maj Ringgaard and Annemette Bruselius Scharff

Traditional recipes for dyeing with natural mixed dyestuffs in Tunisia : The last artisan dyeing with indigo and madder

Naceur Ayed

The identification of historic dyes - Past, present and future

Chris Cooksey

Determination method for the dye sources of historical dyestuffs

Türkan Yurdun, Recep Karadag and Emre Dölen

†Analytical protocol for the identification of natural dyes and organic pigments in museum objects, mainly based on MS detection

Irina Petroviciu, Andrei Medvedovici and Florin Albu

On the feasibility of building LC - MS spectral libraries for natural organic dyestuffs

Erwin Rosenberg

Carthamus tinctorius : An organic dyestuff characterized by luminescence spectroscopy

Aldo Romani, C. Clementi, G. Basconi, and C. Millani

Chromatographic study of a yellow matter historically employed in Cultural Heritage : Reseda luteola (weld)

Carole Mathe and Cathy Vieillescazes

Yellow multiplicity - Attempt to identify dyestuffs by applying mass spectrometry

Katarzyna Lech, Ewa Mianowska and Maciej Jarosz

GCI's Asian organic colorants project : a study of Gardenia augusta colorants by HPLC-PDA-MS, Raman, SERS and microSPEX

Cecily M. Grzywacz, Jan Wouters, Michel Bouchard, Maria Vega Cañamares, Ana Claro and Maria João Melo

Colours and dyes of early iron age Danish textiles

Margarita Gleba, Ulla Mannering and Ina Vanden Berghe

Some more dye analysis on Romanian archaeological textiles from Bucovina, 16th century

Ileana Cretu, Irina Petroviciu and Ina Vanden Berghe

Young fustic: Chemical composition and identification in post-Byzantine textiles

Lemonia Valianou, Kostantina Stathopoulou, Ioannis Karapanagiotis, Prokopios Magiatis and Yannis Chrysoulakis

Dye analysis using portable spectroscopic systems for Japanese historical kimono

Yoshiko Sasaki and Ken Sasaki

The effect of humidity, temperature and ultraviolet radiation on the colour and molecular structure of contemporary pictorial artworks

Evangelia A. Varella and Zoe Eirini Papliaka

The role of natural dyes in preservation of Ancient Egyptian textiles

Omar Abdel-Kareem

Optimization of pigment production based on madder roots

Leopold Puchinger, Friedrich Sauter and R. Paltram

Using solid and liquid state NMR techniques to unveil the secrets of alizarin lakes

Leonel Carvalho da Silva, A. Claro, M. J. Melo, E. J. Cabrita and L. Mafra

On natural flavylum chromophores as species markers for dragon's blood resins from *Dracaena* and *Daemonorops* trees

M. M. Sousa, M. J. Melo, A. J. Parola, F. E. Cook and J. A. Lopes

Murex and orchil methods and technique : Part 2

Karen Diadick Casselman and Takako Terada

Effect of ammonia solution in the natural dyes hue

Zahra Ahmadi

The use of organic red in Mamluk manuscripts

Cheryl Porter

Colours used in Turkish carpets and rugs and the plants yielding these colours

Mustafa Arli, Nuran Kayabasi and H. Sinem Sanli

The colour gamut of madder

Barbara Bigler, Ina vanden Berghe and Andre Verhecken

Posters

The plants of using for dye in Kürecik (Akçadağ/Malatya), eastern Anatolia of Turkey

Yeter Yesil and E. Akalin

Traditional dye plants of Bayramic (Canakkale-Turkey)

Gizem Emre Bulut and Ertan Tuzlaci

The necessity of the education on natural dyeing in Türkiye, beginning 2000's

Aysen Soysaldi

Hand-woven carpets in Konya city Eregli district and yarn dyeing applications

Fatma Nur Basaran and Nuran Kayabasi

National methods of dyeing in Azerbaijan

Gulzade Abdulova

Textile and dyeing in 4th-14th centuries in Azerbaijan

Fariz Khalilli

Study on historical textile samples from central European collections : Research on type of dyes application period and its geographical distribution and places of origin

Georg F. Kremer

Characterization of Ararat cochineal : A model study

Yeghis Keheyan, Gayane Ellazyan, Armen Sahakyan and Hasmik Khachatryan

The Transylvanian collection of Anatolian rugs : A permanent challenge

Iulia Claudia Teodorescu and Irina Petroviciu

A brief HPLC-PDA-MS study for the identification of dyestuffs in icons of the Cretan school

Lemonia Valianou, Ioannis Karapanagiotis, Mohammad S. Mubarak, sister Daniilia and Yannis Chrysoulakis

The dyes of a silk brocade of the Ottoman period

Lemonia Valianou, Recep Karadag, Ioannis Karapanagiotis, Turkan Yurdun, Yannis Chrysoulakis and Emre Dölen

Liquid chromatographic study of weld dyes

Hitomi Fujii, Carole Mathe and Cathy Vieillescazes

Anthraquinones in wool fibres dyed with some Rubia species

Seher Karsli, Türkan Yurdun, Recep Karadag and Emre Dölen

Direct identification of indigo on textiles by means of PY-CGC/MS

Friedrich Sauter and Leopold Puchinger

Pigments obtained from buckthorn (*Rhamnus petiolaris* Boiss)

Ozan Deveoglu, Recep Karadag, Turkan Yurdun and Emre Dölen

Production and analysis of the pigment from madder plant (*Rubia tinctorum* L.)

Emine Torgan, Recep Karadag, Turkan Yurdun and Hikmet Savci

The “Tuchlein” colours in the Strasbourg family text : Recipes for anthocyanin pigments

Sylvie Neven, Jana Sanyova and Anna Mambrin

Indigo and other organic pigments detected in paintings investigated at the National Museum of Art, Romania

Mihai I. A. Lupu

Integrated methods in studying wood support weathering of some sacral moderate paints from Stelea-Targoviste Church

Ana Emandi, Ioan Stamatina, Iulian Iordache and Gheorghe Niculescu

Degradation of dyed textile

Skrdlantova Marketa

General status in solvent dyeing

Omar Baturay and Yusuf Yildiz

DHA 26 Vienna, Austria, 2007

Held at the Natural History Museum Vienna, 7-10 November 2007

*** Published in proceedings**

‡ Published elsewhere

‡ *Hallstatt textiles - the oldest dyed textiles found in Austria*

Regina Hofmann-de Keijzer, Karina Grömer, Maarten R. van Bommel, Ineke Joosten, Hans Reschreiter and Helga Mautendorfer

The color of Andean textiles from the MFA collection

Maria João Melo, Ana Claro, Isa Rodrigues, Meredith Montague and Richard Newman

Dyestuff identification in pre-Peruvian archaeological textiles

Ilaria Degano and Maria Perla Colombini

Medieval dyers' workshops in the Hippodrome of Jerash (Jordan)

Fanny Bessard

****Mass spectrometric and liquid chromatographic investigation of historical fabrics from the collection of the National Museum in Warsaw***

Katarzyna Lech, Maria Puchalska, Elzbieta Rosloniec and Maciej Jarosz

Color analyses of some unusual textiles from ancient Israel

Zvi C. Koren

****De edera et lacca - Identification of a medieval colorant made from Ivy***

Christoph Krekel, Stella Eichner and Karin Geisinger

Identification of vegetable blue dyestuff "Torichotomine"

Masanori Sato

Preparation and properties of polymers with indigo units

Gundula Voss

****Investigation of dyed rabbit hair in a 16th-17th century colonial Latin American textile***

Nobuko Shibayama, Elena Phipps, Lucy Commoner, Mark Wypyski

****Imperial Purple, dye and pigment***

John Edmonds

Biochemistry of Murex trunculus dyes

Irving Ziderman and Liraz Larush-Asraf

Murex and Orchil methods and techniques: part 1

Karen Diadick Casselman and Takako Terada

****HESBAYE and tinctorial plants (1200-1400)***

Bernard Verhille

“Let us go for blue, sisters, for madder, brides!” - Dyes and dyeing in the Finnish Karelia

Riikka Räisänen

William Morris and the discharge of indigo

Brian H. Davies

Investigation, revival and optimisation of traditional Mediterranean colouring technology for the conservation of the cultural heritage

Chris Cooksey, Ioannis Karapanagiotis, Sophia Sotiropoulou, Evangelia Varella, Euphoria Tsatsaroni, Friedrich Sauter, Leopold Puchinger, Ziad Al-Saad, Omar Abdel-Kareem, Rachid Benslimane, Nouredine Chenfour, Emre Dileemren, Recep Karadag, Georg Kremer, Uta Williams, Mahmoud Alawi and Mohammad Mubarak

Preparing of artificial aged dyed textile samples simulated to museum dyed textiles

Omar Abdel-Kareem and Ziad Al-Saad

The effect of some mordant dyes on the fibre net of textiles

Leopold Puchinger, Friedrich Sauter and Evangelia Varella

****Identification of dyestuffs in some seventeenth century silk skullcaps by liquid chromatography with diode array detection in the Topkapi Palace Museum collection***

Recep Karadag, Emre Dölen and Turkan Yurdun

More secrets of Perkin's Mauveine dye revealed

Micaella Sousa, Maria Joao Melo, A. J. Parola, P. J. T. Morris, H. S. Rzepa and J. Seixas de Melo

Faded flowers, analysis of modern marquetry applied on 17th and 18th century Dutch Furniture

Maarten van Bommel, Ineke Joosten, Han Neevel, Jaap Boonstra and Paul Bruys

‡ The early synthetic organic dyestuffs: The Yellows

Matthijs de Keijzer, Maarten R. van Bommel and Regina Hofmann-de Keijzer

Determining Display Conditions for the Waldseemüller World Map: lightfastness testing in an anoxic environment

Cindy Connelly Ryan and Mary Baker

Optimisation of the micro-destructive light fastness tester, the “i-. Fado”

Han Neevel

Indigo dyeing and bio-deterioration of a woollen textile

Barbara Blyskal

Aging behaviour of silk dyed fabric with safflower dye

Yassin Zidan, Harby Ezz Eldeen Hassan and Kh. El-Nagar

****Time of flight secondary ion mass spectrometry (ToF-SIMS) analysis of natural dyestuffs***

Anne-Marei Hacke and Chris Carr

On the detection and significance of glycosides in natural dyes

Richard Laursen and Xian Zhang

A renaissance colour plate revealed. Lost colours of the Renaissance - unexpected results from a masterpiece of renaissance marquetry

Heinrich Piening and Peter Kopp

****Non-destructive dye analysis for Japanese historical textiles at 17th C***

Yoshiko Sasaki and Ken Sasaki

Posters

Investigation of artificially aged dyed textiles using High Performance Liquid Chromatography with Photodiode Array Detection (HPLC-PDA)

Ziad Al-Saad and Omar Abdel-Kareem

King Midas's golden color chemistry

Mary Ballard, Harry Alden, Lynn Brostoff, Roland Cunningham, Walter Hopwood, Joseph Koles, Odile Madden, Jeffrey Post and Hans Kuhn

Study of the dyes found in Early Iron Age Danish textile costume fragments, excavated from peat bogs

Ina Vanden Berghe, Beatrice Devia, Margareta Gleba and Ulla Mannering

Dyes in Romanian archaeological textiles from Mirauti church 16th century

Ina Vanden Berghe, Ileana Cretu and Irina Petroviciu

The Dyeing processes of the Nasca Culture in Peru - Identification of dyestuffs Realisation of standards to complete the database

Nathalie Boucherie and Witold Nowik

Tattoos, carpets and felts - dyes from Daghestan collected in July 2007

Robert Chenciner and Magomedkhan Magomedkhanov

Comprehensive analysis of historical fabrics from the collection of National Museum in Warsaw

Maria Cybulska, Dickran Kouymjian and Ewa Orlinska-Mianowska

A critical examination of methods for black dyeing

Vincent Daniels

The microbiology of the medieval woad vat

John Edmonds

The dyestuffs used in the royal Sicilian robes

John Edmonds

Natural dyestuffs in Pre-Columbian art

Tatiana Falcón

The analysis of Phtalocyanine pigments presence in paintings with aid of non-destructive method in situ

Valery Golikov, Yuri Borovlev, Boris Zhadanov and Alexander Kalinin

**** Imitating historical dyeing methods from the Hallstatt period - dyeing experiments with weld, indigo and oak bark***

Anna Hartl and Regina Hofmann-de Keijzer

Ganjifa: Rejuvenation of ancient card game of India

Suvarnareha Jadhav

Surface Enhanced-Raman Spectroscopy (SERS) as an analytical tool in the detection and characterization of natural dyes employed in cultural heritage

Z. Jurasekova, C. Domingo, J.V. García-Ramos and S. Sánchez-Cortés

Consolidation of degraded iron-tannate fibres on Maori waist garment – Puipui

Rangi Te Kanawa and Gerald Smith

Tyrian Purple in Mycenaean wall paintings of the 13th century BC in Pylos, Greece

Elpida Minopoulou, Iemona Valianou, Ioannis Karapanagiotis, Sophia Sotiropoulou, Mahmoud Alawi, Mohammad Mubarak and Chris Cooksey

Capillary electrophoresis versus liquid chromatography - alternative tools for identification of anthraquinone natural dyestuffs

Katarzyna Lech, Magdalena Orlinska, Katarzyna Polec-Pawlak, Maria Puchalska and Maciej Jarosz

Indigo in the Romanian tempera paintings, 15th -19th century

Mihai Lupu and Ioan Istudor

Ageing of natural red dyes - theoretical and experimental study

Ana Cristina Manhita, Micael Carreira, Helena Vargas, Isabel Ribeiro, Ana Seruya, Cristina Teixeira da Costa, António Estevão Candeias, Alfredo J. Palace Carvalho and João Paulo Prates Ramalho

Some aspects on MS detection of dyes in historic textiles

Irina Petroviciu, Andrei Medvedovici and Florin Albu

Characterization of purple from burials of the Roman period by Raman and DE-MS

Erika Ribechini, Thibaut Deviese, Maria Perla Colombini, Martine Regert and Pietro Baraldi

The magic red and purple in natural colours and their UV barrier properties

Katarzyna Schmidt-Przewozna and Witold Przewozny

Bacteriography - multiorganismic art painting

Erich Schopf

Sex-specific Tyrian purple genesis and precursor distribution in the pallial gonoduct of *Dicathais orbita* (Neogastropoda: Muricidae)

Chantel B. Westley and Kirsten Benkendorff

DHA 25 Suceava, Romania, 2006

Held at the Hotel Zamca, Suceava, Romania, 21-22 September 2006.

*** Published in proceedings**

‡ Published elsewhere

****Chemical principles of a doomed art: azomethine dye colour photography***

André Verhecken

Woad pigment trade in Amiens 1380-1490

Bernard Verhille

What is that red? LC-PDA-MS analysis of a red-checked picture canvas

Cecily M. Grzywacz

Marine indirubins

Chris Cooksey

The role played by the scientific techniques used in the examination and analyses of the mural painting of wooden Romanian churches

Doina Emilia Bogdea, Maria Giurginca, Stefania Stoleriu

Sources on colours : an 18th century manuscript of dye recipes with woollen-cloth samples

Dominique Cardon and Iris Brémaud

****Determination of natural dyestuffs in historic textile with molecular spectroscopy and HPLC coupled with diode array and mass-selective detection***

E.V. Karpova, G.G. Balakina, V.G. Vasiliev, V.I. Mamatyuk

****Identification of dyes on ecclesiastical garments from the Holy Mountain of Athos: the Sakkos of Emperor Ioannis Tsimiskis (?)***

Ioannis Karapanagiotis, Christos Karydis, Achilleia Laka, Lemonia Valianou and Costas Panayiotou

****Yellow and Green Dyes in 15th-17th c. Embroideries from Putna Monastery***

Irina Petroviciu, Ina Vanden Berghe, Jan Wouters, Ileana Cretu

Dyeing and dyestuffs revealed: The EU-ARTECH collaborative study of reference materials

Jo Kirby, Maarten van Bommel, Catherine Higgitt, Marjolein Groot Wassink, Ina van den Berghe, Jan Wouters, Sophia Sotiropoulou, Ioannis Karapanagiotis, Lemonia Valianou, Anita Quye, David Pegg, Hamish McNab, Alison Hulme, Cecily Grzywacz, Costanza Miliani, Catia Clementi, Irina Petroviciu

Solving another rug mystery - Unmasking carpet fakes by dye analyses. “Master-faker” Theodor Tuduc and the carpets of his workshops in Bucharest and Kronstadt

Jürg Rageth and Harald Böhmer

Insect Dyes in weavings of the Turkmen of Central Asia, 1500-1900 Part III: A Perfect Red - Insect dyes on tin mordant

Jürg Rageth and Ina Vanden Berghe

Naturally dyed linen fabrics protecting against UV radiation.

Katarzyna Schmidt - Przewozna, Malgorzata Zimniewska

Vincent’s Wool: Dyestuff and mordant analysis of wool used by Vincent van Gogh for the development of his colour theory

Maarten van Bommel, Ella Hendriks and Sjaar van Heugten

To be or not to be an anthocyanin: the reds from *Dracaena draco*

Maria J. Melo, Micaela Sousa, J. S. Seixas de Melo and Fernando Pina

Dyestuff analysis of the costume of Elector Moritz of Saxony (1521-1553)

Marjolein Groot Wassink, Maarten van Bommel, Bettina Niekamp and Jutta van Bloh

‡ The early synthetic organic dyestuffs: patents and international competition

Matthijs de Keijzer and Regina Hofmann-de Keijzer

Molecules involved in the dyeing process with flavonoids

Pauline Guinot and Claude Andary

****Analysis of Dyes in Some 19th Century Uzbek Suzanis***

Richard Laursen, Svetlana Osipova and Xian Zhang

The use of *Plicopurpura patula pansa hypobranchial* extracts for photographic reproduction on silk

Rolf Haubrichs

An investigation of a simple identification method for synthetic textile dyes and the value of this information for dating

Rosemary M. Baker

****A chemical comprehension of the colour centres in Maya blue green palette. A study of indigo chemisorption in sepiolite***

Sonia Ovarlez, Françoise Giulieri, Anne-Marie Chaze and François Delamare

****Red dye analysis for historical textiles with multiple spectroscopic methods.***

Yoshiko Sasaki, Junko Matsubara, and Ken Sasaki

Posters and Demonstrations

Dyes and techniques used in archaeological textiles from Nariño (Colombia) and their contribution to the reactivation of the local artisanal production

Beatriz Devia, Ina Vanden Berghe, Marianne Cardale and Gabriel Llabres

A Study and reconstruction of the original colouring of an eighteenth-century coach velvet upholstery

Valery Golikov and Olga Lantratova

A study of organic and inorganic chromatic materials in the gilt and painted decorative leather of the eighteenth-century chairs from the Ipatievskii Monastery in the Kostroma City, Russia

Valery Golikov and Olga Lantratova

Natural dyes used in a carpet from the collection of the National Village Museum Dimitrie Gusti

Ioana Lidia Ilea

Extraction of natural yellow dyes from wool: an evaluation of the available extraction procedures

Ana Cristina Manhita, Helena Vargas, Isabel Ribeiro, António Candeias and Cristina Teixeira da Costa

Colour as an indicator of the natural and artificial damage in the vegetable tanned leather

Miu Lucretia, Giurginca Maria, Budrugeac Petru, Meghea Aurelia, Gaidau Carmen, Creanga Doina Emilia

In the path of Dragon's Blood: the multi-equilibria of a colourful natural dye

Micaela Margarida Ferreira de Sousa

DHA 24 Liverpool, England, UK, 2005

Held at the Western Rooms Conference Centre, Liverpool, 3-4 November 2005

*** Published in proceedings**

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Chasing the lac insect in the Land of the Thunder Dragon

Jenny Balfour-Paul

The 'chemicals-free' dyeing of woollen fabric with Egyptian mallow leaves

Heba Mansour

The effects of alginate and zinc ions on reducing the fading of iron-gallotannate dye on Maori textiles

Gerald Smith

****The ABC of woad isatans***

Chris Cooksey

Kinetics of dyeings produced from photodebrominated leuco-dibromoindigo solutions

Zvi Koren

‡ The rate of fading of textiles dyed with Tyrian purple

Vincent Daniels

The use of high performance liquid chromatography - atmospheric pressure photoionization mass spectrometry for the analysis of Murex trunculus and Purpura haemastoma species

Malvina Papanastasiou

‡ *The oldest synthetic organic dyestuff group: the history and analysis of the triarylmethane dyes*

Matthijs de Keijzer

‡ *Identification of early synthetic dyes in embroideries designed by Emile Bernard*

Maarten van Bommel

****Mr. Worth's woollen yarns: A Victorian book of dyed samples with receipts***

Terry Schaeffer

Have bed, need a date: LC-MS dye analysis of brocade silk satin upholstery from a lit à la polonaise bed

Cecily Grzywacz

Natural dyes in Flemish tapestries. A study of the dyes, dye degradation profiles and influence of dyes and mordants on the degradation of proteinaceous fibres

Ina Vanden Berghe

Fungal deterioration of woollen textiles dyed with cochineal

Barbara Blyskal

The role of metallic cations as mordants for cellulose dyeing with alizarin. A numerical approach - III - Bonding strength calculations

François Delamare

****Madder lakes: composition and variability***

Jo Kirby

****A multi-analytical approach to determine madder lake in archaeological findings***

Ilaria Degano

Alum in Scandinavia

Aki Arponen

Seeking dyes but finding pigments - on a Welsh mountain

Brian Davies

What dyes your textile yellow? A weld study

Maarten van Bommel

Gentle extraction of yellow dye from textile samples and characterization by LC-DAD-MS

Richard Laursen

A novel approach to the spicy curry colouration of natural fabrics. Part I: Colouration of wool

Heba Mansour

Herschel's blueprint revisited

Michael Maunder

Identification of yellow, red, green and blue organics used in a 15th century English antiphonal: new ideas, old traditions

Cheryl Porter

Dyestuff and pigment analyses of the archaeological textiles from Lønne Hede in Denmark - preliminary results

Annemette Scharff

****Dye analysis for haori from the "Album of Textile Fragments of Tsujigahana Garment" (17th century) - A restoration project of The Tokugawa Art Museum***

Yoshiko Sasaki

****Analysis of red dyestuffs in 15th-17th century Byzantine embroideries from Putna Monastery, Romania***

Irina Petroviciu

Posters and Demonstrations

Cat's pear purple for tattoos and ink. Milk paints for decorated carved wood

Robert Chenciner

Accelerated ageing of purpurin on dyed wool: a preliminary investigation

Catia Clementi, F.R. Cibir, A. Romani and G. Favaro

Effect of temperature and pH on the dyeing of indirubin from fresh leaves of indigo plants

Yuki Kohama and Satoshi Ushida

Characteristics of the colorant from sacatinta and its dyeing

Satoshi Ushida, Takako Terada, Tomoko Fukumoto and Yuki Kohama

Identification of a new class of yellow dyes in textiles from an Andean mummy

Xian Zhang, Ran Boytner and Richard Laursen

Analytical investigation strategies on organic materials in cultural heritage objects. Focus on analytical strategies for natural dyestuffs investigations: intercomparison of methodologies and evaluation of results

Sophia Sotiropoulou

Transnational access to the Louvre IBA facility through the Eu-ARTECH European programme

J. Salomon

Transnational access to the mobile laboratory, MOLAB, through the Eu-ARTECH programme: an opportunity for European conservators and scientists

Costanza Miliani

DHA 23 Montpellier, France, 2004

Held at the Agropolis International, Montpellier, 4-5 November 2004

*** Published in proceedings**

‡ Published elsewhere

‡ *Dyestuff & element analysis on textiles from the prehistoric salt mine of Hallstatt*

Regina Hoffmann-de Keijzer, Maarten Van Bommel, Ineke Joosten

‡ *The historico-chemical analysis of a very Royal Vase*

Zvi Koren

The collection of Coptic textiles in the Museo Nacional de Artes Decorativas: the results of the dye analysis and Carbon 14 testing

Laura Rodriguez, Ana Cabrera, Andrés Sanchez

A study of model orcein lacks

Valery Golikov, Zoe Zharikova

****Dyeing lichens in Sweden during the age of utilisation***

Aki Arponen

An overview of the Kunstbüchlein 1500-1600

Paul Woudhuysen

The Engelberg Codex 431- Das Farbbüechlin

Renate Woudhuysen

Master dyers to the court of Sicily

Maarten Van Bommel, J.H. Hofenk de Graaff

Insect dyes in weavings of the Turkmen of Central Asia, 1450 - 1990. Part II

Jürg Rageth, Ina Vanden Berghe, Marie-Christine Maquoi, Jan Wouters

Porphyrophora insects, a long history. Part I: from the field to the laboratory

R.V. Jashenko, D. Cardon, W. Nowik

Armenian cochineal: a study of the methods of collection and uses, tradition and the future

Cheryl Porter

****Investigation of Tyrian purple occurring in historical wall paintings of Thera***

I. Karapanagiotis, S. Sotiropoulou, E. Chryssikopoulou, P. Magiatis, K.S. Andrikopoulos, Y.Chryssoulakis

Chromatographic investigations of dyes in Polish textiles from 15th & 16th centuries.

J. Orska-Gawrys, B. Szostek, I. Surowiec, W. Liszewska, H. Hryszko, M. Trojanowicz

****Dye analysis of some 15th century byzantine embroideries***

Irina Petroviciu, Ina Vanden Berghe, J. Wouters, Ileana Cretu

A correlation between an old recipe (10th) and the analytes found in a decoration of Giotto's crucifix of Santa Maria Novella

Giancarlo Lanterna

****A spectrophotometric and fluorimetric study of Red Madder in solution and dyed wool***

C. Clementi, F.R. Cibir, A. Romani, G. Favaro

Predicting the reactivity of alizarin complexes upon cellulose in aqueous environment

François Delamare, Bernard Monasse

****The history of alum, production in Belgium***

André Verhecken

Indigenous dye standards for ancient Andean textiles: the Antunez de Mayolo collection revisited

Ran Boytner, Kay Antúnez de Mayolo

****The history and analysis of fluorescein, eosine, erythrosine and some of their derivatives***

Mathijs de Keijzer, Maarten Van Bommel

Maya blue, a source of inspiration for new nanostructured natural pigments

Daniela Cristea, Gerard Vilarem

The importance of being "Leuco"

Maria Joao Melo, J. Seixas de Melo, A.P. Moura

Analysis of historic samples of non-symmetric thioindigoid dyes

Gundula Voss, Melanie Schnabel

****The factors of indigo fading according to literature***

Vincent Daniels

****New insights into the ecology and functioning of the medieval woad vat***

S.K. Nicholson, P John, P. Lawson, M. Collins

Iron & tannin in early purple dyes

Mark Clarke

The dyeing of Welsh wool

Brian H. Davies

Past and future of the fungal natural dyes in the Nordic countries

Riikka Räisänen

Posters and Demonstrations

The Color Yellow - One of the five basic colors of the Chosun Dynasty.

Byung Chan Lee

Vating purple dyes: reappraisal of reduction processes published

Irving Ziderman

The change in colour on heating monobromo-indigotin

Irving Ziderman

Chlothlet colours: Chrozophora tinctoria Juss.?

A. Wallert, M. van Bommel

A chromatographic study on red wood dyes

Alessia Andreotti, Maria P. Colombini, Giancarlo Lanterna

Woad in Picardy (XII-XV centuries)

Bernard Verhille

High-performance liquid chromatographic study of indigoid and coccid dyes: application to samples from the pharmacy of an ancient hospital

Michael Hovaneissian, Paul Archier, Catherine Viellescazes

Nabeul embroidery by natural dyed cotton

Naceur Ayed, Rim Marzouki

Contemporary dyeing with historic natural materials in Mexico

Billy Ward and Chris Cooksey

Analysis of the dyes present in coloured cotton of Precolumbian origin (Gossypium barbadense, G. hirsutum)

Beatriz Devia, G. Llabres, J. Wouters, I. Vanden Berghe, J.N. Wauters, L. Angenot, M. Tits

DHA 22 Riggisberg, Switzerland, 2003

Held at the Abegg-Stiftung, Riggisberg, 23-24 October 2003

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****Peter Griess - a critical evaluation of his contribution to azo dye chemistry***

Chris Cooksey and Alan Dronsfield

Archil and cudbear combinations in 18th and 19th century dye manuals

Karen Diadick-Casselman and Karen Urbanek

The colour of colonialism in 17th century Newfoundland, Canada

Cathy Mathias

****William Savage (1770-1843) - a pioneer of colour printing***

Brian H. Davies

Natural dyestuffs used in Polish folk art

Katarzyna Schmidt-Przewozna

Historic Romanian dyeing techniques and technologies

Octaviana Marincas

The grey colour in Buddhist monks' informal clothing - Natural dyes as a folklore

Lee Byung Chan

Transport and conditioning of the purple dye: the contribution of the experimental archaeology

Christine Macheboeuf

Japanese blue from the prehistoric time to now

Betty Goldberg

****Europe or China? Dyestuff-analyses as a tool for attributions***

Anna Jolly, Ina Vanden Berghe and Jan Wouters

Insect dyes in weavings of the Turkmen of Central Asia, 1450-1900. Identification by HPLC dye analysis and assignment to specific periods of time by AMS radiocarbon dating

Jürg Rageth, Ina Vanden Berghe, Jan Wouters and Georges Bonani

‡ The historico-chemical analysis of a Very Royal Vase

Zvi C. Koren

The control of dyes production in the late Roman Empire: the baphium of Baleares

Carmen Alfaro

****Dyes in some 16th and 17th centuries textiles from the Romanian Medieval Art Gallery***

Irina Petroviciu, Jan Wouters, Ina Vanden Berghe and Ileana Cretu

****Comparative studies of 17th-century Netherlandish red lakes in the Oranjezaal, Palace Huis ten Bosch***

Mark Clarke, Ina Vanden Berghe, Jan Wouters, Peggy Frederickx, Ludwien Speleeres and Peter Vandenabeele

Organic yellows in seventeenth century paintings

Ige Verslype, Arie Wallert and Jan Wouters

Spectroscopic identification of ancient Japanese dyes

Masanori Sato and Yoshiko Sasaki

Dragon's blood: a potential sourcing database from non-destructive Raman spectroscopic analysis

Howell G. M. Edwards

Non-destructive FTIR analysis of dyestuffs and pigments in medieval book paintings

Robert Fuchs

****The characterization of red-violet organic dyes in ancient samples***

Alessia Andreotti, Ilartia Bonaduce, Maria Perla Colombini and Erika Rabechini

A lake... splendid in its colour of grana: the application of electrospray interface-mass spectrometry (ESI-MS) to kermes lakes

Raymond White, Jo Kirby and Catherine L. Higgitt

****Optimization of solvent extraction of dyes for their identification in archaeological textiles***

Izabella Surowiec, Witold Nowik and Marek Trojanowicz

****Arrabidaea chica: 3-deoxyanthocyanidins and their degradation products, found in Colombian archaeological textiles of the 10th to the 16th centuries***

Beatriz Devia and Jan Wouters

****Chemical characterisation of sawwort (*Serratula tinctoria*) and dyers' chamomile (*Anthemis tinctoria*) by PDA HPLC and LC ESI MS***

Alison N. Hulme, Hamish McNab, David A. Peggie and Anita Quye

The dye of *Rubia peregrina*, II: top-dyeing experiments with indigo

Jan Wouters, Marie-Christine Maquoi and Ina Vanden Berghe

****Mapping colour changes in dyes and pigments due to light fading and ageing***

Roy S. Sinclair

****Colour change on heating 6-bromoindigotin: key to understanding purple dyeing with banded dye-murex***

I. Irving Ziderman, Yoshiko Sasaki, Masanori Sato and Ken Sasaki

Mollusc purple: a worldwide famous colour

Rolf Haubrichs

Analysis and reactions of old samples of thioindigoid dyes

Gundula Voss

Posters and Demonstrations

The mordants multicolour chemistry used in vegetable silk dyeing

Maria do Carmo Martins Serrano, Fernando Pina and Isabel Ribeiro

The Arrabidaea chica dyes: tentative of in-situ identification on Colombian archaeological textiles by Raman spectroscopy

B. Gilbert, B. Devia, G. Llabris and J. Wouters

Studies on dye plants: creation of a scientific database of raw materials in order to develop the cultivation, extraction and employment of natural dyes in Nord-Pas de Calais region

Pauline Guinot and Claude Andary

Study of some pre-Columbian tissues from Peru

Pietro Baraldi, Concezio Fagnano, Anna Tinti and Paolo Zannini

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Held at Hotel Mercure, Palais des Papes, Avignon and Association Couleur Garance, Lauris, 10-12 October 2002

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****Indigo reducing bacteria from the medieval woad vat : their interaction with indigo revealed***

Philip John

****Woad production in Catalonia and Roussillon at the end of the Middle Ages***

Anthony Pinto

****Edward Schunck : the pioneer dye chemist***

Chris Cooksey and Alan Dronsfield

****A study of model carminic lacks on the basis of cochineal, protein collagen and mordant salts***

Valery Golikov and Zoe Zharikova

****Role of the nature of the metallic cations of the mordant on the colour of alizarin. An approach by semi-empirical quantic mechanics***

B. Monasse and F. Delamare

****Logwood under the microscope***

Brian H. Davies

Spectroscopic sensitivity of natural dyestuffs used for cultural properties

Masanori Sato

****Natural dyestuff applied in Polish workshops in XVIIth-XVIIIth century***

Katarzyna Schmidt-Przewozna

Natural dyes in the textiles of the northern coast of Black Sea from the palaeolithic times down to the modern epoch

Liana Listunova

****Missal blue : anthocyanins in Nature and Art***

Maria Joao Seixas de Melo

****Purple in manuscripts***

Cheryl Porter

****Observations on some aspects of medieval and renaissance lake pigment technology***

Jo Kirby

‡ Microscopic examination and HPLC-PDA-Fluorescence analysis of organic red pigments in paintings by Van Gogh in the period 1885-1888

Maarten van Bommel, Muriel Geldof and Ella Hendriks

****Sanguis draconis, dragon's blood***

Arie Wallert and Maarten van Bommel

****The biblical dye tekhelet and its use in religious textiles***

Irving Ziderman

New analytical insights into purple dyeings

Zvi Koren

Non-destructive identification of dyes in works of art by reflectance spectroscopy: the case of purple

Mady Elias

Shellfish purple in Ireland and Britain: a re-appraisal

Emily Murray and Karen Diadick Casselman

Charles Stothard and the Bayeux tapestry

George Taylor

Study of dyes of Raphael's tapestry at the Vatican Museum

Ulderico Santamaria

****Monitoring of damage in historic tapestries: a newly initiated EU project***

Anita Quye and Jan Wouters

Traditional discontinuity : synthetic perspective of recent ethnographic and archaeological research of Andean dyeing technologies

Ran Boytner

An analytical study of native Scottish flavonoid dye plants

Anita Quye and Ester Ferreira

Traditional dyes of China

Ghuang-Hui Dai

Traditional dyes of Bhutan

Barbara Bigler

****Dye analyses on two textile fragments of Late Antiquity***

Regina Hofmann-de Keijzer and Maarten R. van Bommel

Investigation of dyes in Coptic textiles using HPLC with UV/VIS diode array, fluorescent and MS detections

Marek Trojanowicz

****Dye analyses of selected textiles from three Roman sites on the Caravan roads in the Eastern Desert of Egypt***

Jan Wouters, Ghislaine Richard, Rene Breniaux, Dominique Cardon

Impressions of the Colour Congress in Ames (Iowa), May 2002

Jenny Balfour-Paul

Current research into the international traffic of dyes by the East India Company

Jenny Balfour-Paul

Posters and Demonstrations

A survey of the properties and applications of aniline black

Joy Boutrup

"Half of nothing" - New developments in non-sampling spectroscopy for very small specimens of organic pigments

Mark Clarke

Stradivarius varnish and English cricket balls

Robert Chenciner

****Chinese green : experimental investigations***

Chris Cooksey, Jo Kirby, Alan Dronsfield

Raman investigations on materials dyed by indigoids

Claude Coupry

An investigation of chromatic materials and decoration technologies in coloured 19th century daguerreotypes

Nonna Garbar, Valery Golikov, Zoe Zharikova, Boris Lakshin, Leonid Mikhailitzin

****Chromatographic and spectroscopic differentiation of insect dyes on east asian paintings***

Jennifer Giacca

Late Horizon Dyeing of the Chachapoyas: first glimpse at Andean eastern slopes technology

Cecily Grzywacz, Ran Boytner, Arabel Fernandez, Annie Kang and Marissa Schliecher

Etude des colorants et des pigments organiques rouges de garance par CLHP et IRTF ; application au domaine archéologique.

M. Hovaneissian, Catherine Vieillescazes

An investigation into the early synthetic purple dye murexide c.1853-1865

Christina Margariti

Identification of the 19th century American Antique quilts' red dyes by HPLC

Masako Saito

****Spectroscopic studies (SIMS, ESI-MS, FTIR) on the structure of anthraquinone-aluminium complexes***

Jana Sanyova

****Dye analyses of braids used for Japanese armours dating from the 14th to 17th cent.***

Yoshiko Sasaki

****In the circle of colour - Natural dyeing of flax, silk and wool***

Katarzyna Schmidt-Przewozna

Blue and gold - the English indienne

Georg Stark

Investigation of dyes in Coptic textiles using HPLC with UV/VIS diode array, fluorescent and MS detections

Isabella Surowiec

****Evaluation of consolidants on dyed black fibre in Maori Textiles***

Rangi Te Kanawa

Association Couleur Garance Presentation of the Association

Conservatoire des Ogres et Pigments, Roussillon Presentation of the Conservatory

Association Filiere Colorants Naturels Presentation of the Association

Association A.T.E.L.I.E.R. Coloured wool from sheep

Association SALICE Presentation of the Association

****The blue purple fermentation vat***

Inge Boesken Kanold

How orchil saved purple and woad or The mystery of poppo solved

Dominique Cardon

Cornelius Drebbel's method of dyeing using tin as a mordant with cochineal, discovered in 1607

John Edmonds

Dyeing into purple with madder and Various purple shades while dyeing silk with woad

Michel Garcia

Dyeing with elderberry

Torunn Brigit Sortvik

DHA 20 Amsterdam, The Netherlands, 2001

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‡ Published elsewhere

Shellfish Purple in Mexico and Morinda dyeing in Indonesia, Sumba Island; Digital video films with commentaries by the author

Harald Böhmer

****The analysis of dyes with HPLC coupled to photodiode array and fluorescence detection***

Maarten van Bommel

****Lo Kao to Malachite Green: the search for a one step green dye-bath***

Chris Cooksey and Alan Dronsfield

****Dyes (and pigments) as food additives (and adulterants)***

Brian Davies

****The characterization of dyes by Time of Flight Secondary Ion Mass Spectrometry (ToF-SIMS)***

François Delamare and M. Repoux

Fading of indigo in 17th century oil paintings

Margriet van Eikema Hommes

****TLC and HPLC analysis on red dyes of Indonesian textiles***

Regina Hofmann-de Keijzer and Maarten van Bommel

****Preparing Indigo and Dyeing with Indigo in Japan: Impressions of Autumn 2000***

Ursula Klingelfuss-Schneider

****Madder and Gromwell dyeing with alum in 6-8th century in Japan Duplicate Mordanting***

Jiro Komiyama, Mario Suematsu and Shojiro Ogawa

*****The Purple Question Reinvestigated: Just What is Really in That Purple Pigment?***

Zvi Koren

****Treatment of 2 historically important textiles - the dye analysis helped to determine the treatments***

Sharon Little

****Components of the mordanting materials and the elements on the silk fabric treated by them***

Masako Saito, Mizuho Uehara and Kazuki Yamazaki

Recent advance in the analysis of Japanese ancient dyestuffs

Masanori Sato

****The application of liquid chromatography / mass spectrometry (LC/MS) for the analysis of natural dyes on historic textiles***

Nobuko Shibayama, Ryohei Yamaoka and Masanori Sato

****Conservation of Cellulosic Textiles Decorated with Iron-Containing Dyes***

Gerald Smith, Rangi Te Kanawa, Ian Miller and Glen Fenton

Woodblock Colour Printing in Victorian Britain

George Taylor

****A short history of dye analysis***

André Verhecken

5,5'-Dinitro-4,4',7,7'-tetra-alkoxy indigos - chameleons among the indigo dyes

Gundula Voss

Study of fragments of Chinese fabrics from the Han period

Jan Wouters and Ina Vanden Berge

****The future of dye analysis***

Jan Wouters

Posters

****Mass spectrometric studies of 20th C organic pigments and their paints***

Beatrice Marino, Jerre van der Horst, Marc Duursma, Nicolas Wyplosz , Jaap J. Boon and Tom Learner

Cassman Dyes, Gender and Age in the Azapa Valley, Northern Chile

Ran Boytner, Narayan Khandekar and Vickie

****The compatibility of TEM and Raman spectroscopy: application to parchment illustrations***

Peggy Fredrickx, P. Vandenabeele, J. Wouters, L. Moens and D. Schryvers

Colour lacquers based on protein collagen and cochineal dyes

Valery Golikov and Zoya Zharikova

****Chromatic pattern about the practices and uses of the Moroccan saffron, part 2***

Jerome Dupont

Simple two-dimensional TLC method for the analysis of anthraquinone pigments

Riikka Räisänen and Paavo Hynninen

Black and red dye analyses on cultural textiles from Skene

Kerstin Johnson

Dye analysis on the Khirbet Qazone Textiles

Masako Saito and Nana Kasasaku

Mass Spectrometric Identification of Natural Dyestuffs used for Ancient Textiles

Yoshiko Sasaki, Masanori Sato and Ken Sasaki

The Sources and Properties of Natural Dyestuff Applied in East and West Tradition

Katarzyna Schmidt-Przewozna

Studies on an early Ottoman rug, palazzo Barberini, Rome. Dyestuffs and fibres analysis as a support for conservation, art and history studies

Claudio Tonin, R. Roggero and C. Di Nola

The use of Indigo dyes as colorants in Thangkas painting of Tibet

Teresa Heady

Chromatographic Studies on Natural Dyes Used in Coptic Textiles

Jowita Orska-Gawrys, Katarzyna Urbaniak-Walczak and Marek Trojanowicz

Dye analysis of indo-Portugese silk yellow bedspreads of 16th to 17th Century from the collections of MNAA: a preliminary study

Maria Joao Seixas de Melo, Teresa Pacheco, Ferdando Pina, Isabel Ribero and Carmo Serrano

MAYA BLUE structure: some new insights

G. Chiari, R. Giustetto, J. Druzik, M. Schilling, C. Reyes-Valerio

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Chasing Indigo into the New Millennium

Jenny Balfour-Paul

****Soluble Indigotins***

Gundula Voss

****Chemical Studies of Purpura Patula***

Robert Withnall, Ludwig Naegel, Dharmesh Patel, Chris Cooksey

The Disappearance of Real Purple in the Early Middle Ages

Hero Granger-Taylor

****Some Pre-Perkin Synthetic Routes to Purple***

Alan Dronsfield and Chris Cooksey

****Blue and Purple Dyestuffs used for Ancient Textiles***

Manasori Sato

****Dyes in the Scottish Tartan Trade of the late 18th/early 19th Century***

Anita Quye, Hugh Cheape, John Burnett

****Dyes in Romanian Religious Embroideries***

Jan Wouters and Irina Petroviciu

Recent Developments in the Chemistry of Black Inks and Dyes Containing Iron

Vincent Daniels

****Did the Medieval Illuminator know how to prevent Oxidative Damage ?***

Brian Davies

****The Reproduction of a Traditional Votive Figure based on the Non-Destructive Analysis of Colourants***

Yasuko Noda, Masahiro Kasamatu & Susumu Shimoyama

****Application of Transmission Electron Microscopy (TEM) in the Research of Inorganic Colourants in Medieval Stained Glass Windows and Parchment illustrations.***

Peggy Fredrickx

The Names of Madder in Historical Literature in Relationship with the Root Contents

Dominique Cardon and Claude Andary

****Recipes in Apothecam - Pharmacy Price Lists as a new type of Documentary Source***

Christoph Krekel

Where have all the Safflower Reds Gone ? Part 2

Zvi Koren

****Nathaniel Bacon's 'pinke'***

Jo Kirby

****Organic Chromatic Materials in 17th Century Material Portrait of the Russian Patriarch Nikon of the Moscow State History Museum***

Olga Lantratova

The Technology of Colour Protein Lacquers

Valery Golikov

****Colours in the Andes: Royal Inka Garments and Colonial Documents of the 16th - 17th Century Peru***

Elena Phipps

****New Dye Research on Palmyra Textiles***

Harald Böhmer

****Dye Analysis of Khirbat Qazone Textiles at the British Museum***

John Fields

Posters

*****The Analysis of Flavonoid Dyed Ancient Textiles by PDA-HPLC and LC-MS***

Ester Ferreira

****Iron Sensitised Degradation of Black-Dyed Maori Textiles***

Gerald Smith

Alexander Dedekind and the Tyrian Purple

Rolf Haubrichs

****Experimental Pattern about the Moroccan's Practices and Customs Bound to a specific Dye: Saffron***

Jerome Dupont

****Dyeing in Purple Shade with Fresh Leaves of Japanese Indigo Plant***

Satoshi Ushida

****The use of Cyclododecane for the Fixation of Bleeding Dyes in Paper and Textiles: A Critical Evaluation of Application Methods***

Annemette Bruselius Scharff

Application of Transmission Electron Microscopy (TEM) in the research of Inorganic Colourants in Medieval Stained Glass Windows and Parchment Illustrations

Peggy Fredrickx

LC-MS as a means for determining the use of Arrabidea Chica in Archaeological Textiles

Beatriz Devia

****Identification of Six Natural Red Dyes by HPLC***

Masako Saito

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held at Royal Institute for Cultural Heritage, Brussels.

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‡ Published elsewhere

****Traditional Maori dyes***

R. Te Kanawa et al.

Additional chemical screening on Maori dye plants

C. Andary et al.

****Recognising the right mud. Studies in West China and West Surrey***

D. O'Connor & A. Richards

Identification of natural dyestuffs used for ancient cultural properties in Japan

M. Sato

****Non-destructive analysis of Ukiyo-e - traditional Japanese woodblock prints using a portable X-ray fluorescence spectrometer***

S. Shimoyama & Y. Noda

A microdrilling method for the study of multi-layered structures of paint

J. Wouters et al.

Welcome back – woad

J. Balfour- Paul

****Woad - tattooing and the archaeology of rebellion***

G. Carr

The scientific basis of medieval indigo production from woad: latest findings

P. John

****Adolf von Baeyer and the indigo molecule***

C. Cooksey & A. Dronsfield

****NMR-spectroscopy of leuco-indigotins -preparation of deuterated indigotins***

G. Voss

****Photodegradation products from flavonols: markers for identification of natural yellow dyes in ancient textiles***

E. Ferreira

Photostabilization of naturally dyed historic silks

T. Koussoulou

****The classification and techniques of organic chromatic materials based on natural dyes in painting and applied arts***

V. Golikov

****The application of organic chromatic materials in Russian icons of the XVth to the XVIIth centuries***

V. Golikov

****Analysis of natural dyes from Romanian 19th -20th centuries ethnographical textiles by DAD-HPLC***

I. Petroviciu

Dyes and pigments on 8th to 18th centuries alum-tawed bookbinding leather

M. Vest & J Wouters

****Botanical alternatives to alum***

G. Taylor

****A lexicon of northern European lichen pigments named according to their botanical ingredients***

K. Diadick Casselman

Presentation of the textile garden of Bassignac-France

M. Dallon

Dye plants in the centre of medieval Gent. Archaeological evidence for a well-known international cloth industry

J. Bastlaens et al.

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****Dyeing with indigo and mud in Mali and Senegal***

Jenny Balfour-Paul

****Plant Dyes : from archaeology to industry***

Patrick Brenac

****Synthesis and properties of 6-bromoindigo***

Chris Cooksey

****Damage caused by black, iron containing dyes***

Vincent Daniels

****Synthetic alizarin - the dye that changed history***

Alan Dronsfield

****Development of analytical techniques for the study of natural yellow dyes in ancient textiles***

Ester Ferreira

A green corrosion of a blue dyestuff

Robert Fuchs

****Experimental Investigation of Influences of (i) types and concentrations of cations and (ii) cochineal concentrations, pH, anions, cream of tartar and galls.***

Valery Golikov

****Influence of fungicides and insecticides on colour materials***

Oliver Hahn

****Current use of traditional (natural organic) dyes from Papua New Guinea***

Rowena Hill

****Scientific basis of indigo production from woad by medieval techniques***

Philip John

****Where Has All the Red Gone (in Safflower Dyeings)?***

Zvi Koren

****The colouring of alum-tawed skins on late medieval books***

Cheryl Porter

****Mariano Fortuny (1871-1949): his use of natural dyes***

Frances Pritchard

Dyes and Ancient Papers

Ken Seddon

Spectral Ref analysis of plant based CMYK printing ink substitutes

Phil Shaw

Some Dyes and How I got to Know Them

George Taylor

A small experiment in rearing Peruvian cochineal

André Verhecken

****The dye of Rubia Peregrina***

Jan Wouters

****Analysis of natural organic pigments by laser desorption mass spectrometry***

Nicolas Wyplosz

****Revival of Tekhelet (Hyacinth-purple) Dyeing with M. trunculus in Israel: Chemical Complications***

I I Ziderman

DHA 16 Lyon, France, 1997

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‡ Published elsewhere

Presentation of the textile databank of the Museum

Stephan Guillermond

HPLC analysis of discoloured safflower

Jan Wouters

****Differentiation and identification of some varieties of red wood used in dyeing by HPLC-DAD***

Witold Nowik

****Dye analyses by derivative UV/Vis Spectrophotometry***

Harald Böhmer and Recep Karadag

The analysis of plant dyes in medieval book illuminations

Robert Fuchs

Red dyes - the terms and their interpretation in medieval recipes

Doris Oltrogge

The Palmyra textiles

Andreas Schmidt-Colinet

The amphoras of Lipari and the alum trade of Antiquity

Philippe Borgard

****Indigo and the 40 robbers - romantic transfigurations of the blueprinters trade in modern society***

Georg Stark

New developments in four colour printing using plant colourants

Phil Shaw

****Orchil lichens of Tunisia: chromatographic identification and dye elaboration***

Tijani Karmous and Naceur Ayed

****Traditional recipes for natural wool-dyeing in the south of Tunisia***

Naceur Ayed and Abir Alatrache

****Preliminary research into lac lake pigments using HPLC/electrospray mass spectrometry***

Jo Kirby

Tartan dyes of the 18th - early 19th century - a progress report

Anita Quye

Dye analysis of Asiatic textiles

André Verhecken

(to be added)

Zvi Koren

Tyrian blue

Chris Cooksey and Robert Withnall

****The last indigo dyer in Tunisia: technology and quality control***

Abir Alatrache and Naceur Ayed

Indigo and mud in Mali and Senegal

Jenny Balfour-Paul

(to be added)

Christian Doelsch

Presentation of the textile conservation and restauration workshop of the museum

Marie Schoefer

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****The use of Tyrian Purple in manuscripts***

Cheryl Porter

****A study of the precursors to Tyrian Purple***

Chris Cooksey and Robert Withnall

****Vegetable colorants in screen process printing inks***

Phil Shaw

****The source of early blue dye in the Near East and Mediterranean: woad or indigo?***

Hero Granger-Taylor

****A tale of two insects***

Zvi Koren

****The use of CZE and Mass Spectrometry in the analysis of natural dyestuffs***

Bill Cooke and Chris Carr

****Evidence of new dyestuffs from northern Peru: lac and madder in the Lambayeque textiles from Pacatnamu***

Ran Boytner and Arie Wallert

****HPLC analysis of extracts, dyeings and lakes, prepared with 21 species of the genus Relbunium***

Claudia M D Moresi and JanWouters

****Non-destructive determination of plant dyestuffs used for coloured threads of an ancient Chinese brocade, interwoven with gold and coloured threads, employing a three dimensional fluorescence spectrum technique using fibre optics***

Yasuko Noda and Susumo Shimoyama

****The Buhler Collection - Indonesian dyeplants***

Regina Hofmann

****An unorthodox use of a 19th century basic dye by some Miao in China***

Deryn O'Connor

****Orseille: collecting and dyeing in Auvergne, France***

Michèle Dallon

****Mediterranean yellow dye-plants of historical importance, Part III***

Claude Andary, Dominique Cardon and A Gargadennec

****Daphne gnidium: a little known yellow dye-plant***

Claude Andary, Dominique Cardon and A Gargadennec

****Fading hopes for flavanoid dye identification?***

Anita Quye, Jan Wouters and Jaap Boon

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****Analysis of Punic Natural Dyes: Purple Earth from Zembra and Cosmetic Make-Up from Carthage .***

T. Karmous, N. Ayed, M.H. Fantar and J. Wouters

****Maori Black Mud Dyeing of Phormium tenax Fibre***

V. Daniels

****Changes in Colouring: Observations on the Islands of the Rei Metau in Micronesia***

C. Petrosian-Husa

****Saffron in Anglo-Saxon England***

C.P. Biggam

****Yellow Dyes of Historical Importance, II: Chemical Analysis of Weld and Saw-wort***

C. Andary, S. Prunac and D. Cardon

****Ottoman Textiles: Dye Analysis, Results and Interpretation***

N. Enez and H. Böhmer

****Dyes on Some Kashmir Shawls***

G.W. Taylor

****Dye Analysis of Florentine Borders of the 14th to 16th Centuries***

J. Wouters

****Recycling in the 17th-Century Textile Industry***

J.H. Hofenk de Graaff

****TLC of the Indigoid Colorants in Shellfish Purple***

C.J. Cooksey

****The Arisaig Purple Expedition***

G.W. Taylor

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****Shellfish purple: the use of *Purpura patula pansa* on the Pacific coast of Mexico***

J. Thompson

****Making Tyrian Purple***

C. J. Cooksey

****Non-destructive determination of plant dyestuffs used for ancient madder dyeing, employing a three-dimensional fluorescence spectrum technique***

S. Shimoyama & Y. Noda

****An efficient HPLC analysis scheme for plant and animal red, blue and purple dyes***

Z. Koren

****Dye analysis in a broad perspective: a study of 3rd- to 10th-century Coptic textiles from Belgian private collections***

J. Wouters et. al.

****Identification of flavanoid type yellows in paint samples by solution absorption and fluorescence spectrophotometry***

A. Wallert

****Yellow dyes of historical importance: beginnings of a long-term multi-disciplinary study; part 1***

D. Cardon

****Imports of dyestuffs into late 17th-century Scotland: the customs records as a source***

T.C. Smout

****The woad trade of Toulouse and The Second International Conference on Woad, Indigo and Other Natural Dyes***

J. Balfour-Paul

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****Furnaces in the jungle: Gambier in West Sumatra***

F. Sorber

****Indigo in South-West China***

J. Balfour-Pau

****Dye analysis of Chinese and Indian textiles***

J. Wouters

****Red Dyes in Indian painted and printed cotton textiles***

G. W. Taylor

****Cochineal and lac: a simple method for estimating mixtures***

D. McJunkin

****Experiments with the dyes from European purple-producing mollusks***

A. Verhecken

****Painting techniques of polychromed Antwerp altarpieces***

J. Sanyova & J. Wouters

****Non-destructive three-dimensional fluorescence technique***

S. Shimoyama & Y. Noda

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****The International Conference on Woad in Erfurt***

J. Balfour-Paul

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****The use of N-methyl-2-pyrrolidone (NM2P) as a solvent for the analysis of indigoid dyes***

L. R. Green & V. D. Daniels

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R. Withnall, R. J. H. Clark, C. J. Cooksey & M. A. M. Daniels

****Methods of dye analysis used at the Shenkar College Edelstein Center in Israel***

Z. C. Koren

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F. Stamati

****Analysis of dyes and technique of a 20th-century Iranian carpet from the city of Nain***

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***Was the Golden Fleece really coloured?**

M. L. Ryder

****Identification of flavones and flavanols on a microgram scale***

M. Whiting

****Solution to the enigmas of dyeing Tyrian purple and biblical tekhet***

O. Elsner

****A new method for the analysis of blue and purple dyes in textiles***

J. Wouters

****New information on the medieval woad vat***

D. Cardon

****Indigo dyeing in Japan***

S. Ushida

****The chemistry of madder dyeings: application of semi-quantitative TLC***

G.W. Taylor

****Dyes on some 16th- and 17th-century textiles excavated in London***

F. Pritchard

****The original colour scheme of embroidered cushions from Hódmezővásárhely***

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****An application of HPLC to the identification of natural dyes***

A. Quye & J.Wouters

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****Dyes and dyeing: a select bibliography compiled by members of the Association***

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****On the nature of dyeing with madder and related dyestuffs***

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Dr. V. Daniels

****Archaeological records of dye plants—and update with a note on fullers' teasels***

Dr. A.R. Hall & P. Tomlinson

****Analysis of medieval red dyes by HPLC, with special emphasis on the insect dyes***

D. Cardon, A. Colombini, & B. Oger

****Analysis of the dyes on two early Chinese kesi panels***

Dr. G.W. Taylor

****Four black-dyed silk textiles of the late 17th century***

M. Findlay

****A list of dyed yarns available for analytical work***

S. Grierson

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D. Cardon

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M.C. Whiting

****Identification of red madder and insect dyes by thin-layer chromatography (abstract only)***

H. Schweppe

****Dyes of the Viking Age: a summary of recent work***

P. Walton

****Possible contaminants in indigo dyeing***

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Vincent Daniels

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Su Greirson

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N. Easthaugh

****Insect red dyes: an update***

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H.E. Dalrymple

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****Additional note, July 1986: Shellfish purple in a Coptic textile***

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G.M. Eastwood

****Workshop dyeing***

S. Grierson

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****Lichen purples***

G.W. Taylor & Penelope Walton

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Mark Whiting

****Analysis of dyes in fabrics recovered from the Mary Rose site***

John Harvey

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George W. Taylor

****Dyes on textiles from Newcastle-Upon-Tyne and Spitsbergen***

Penelope Walton

****Colour specification and colour fading***

Roy S. Sinclair

****Natural dyes used in Scottish textiles***

David G. Duff

****Problems in identifying dyes on old Scottish textiles***

Helen E. Dalrymple

****Textiles available from Middle Eastern sites***

Gillian Eastwood